

**The Distinguished
Service Award
of the International Union
of Forest Research
Organizations:
1981–2024**

By Victor K. Teplyakov



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This book presents short biographical stories of forest scientists granted the Distinguished Service Award of the International Union of Forest Research Organizations (IUFRO) from the time of its first award in 1981.

The book should be of interest to forestry students, researchers and administrators, and for those who are keen to learn more about IUFRO, founded in 1892, forest research development, and national and international processes in the forest sector over time.

Editorial team: Walter Liese, Don Koo Lee, Heinrich Schmutzenhofer and Victor K. Teplyakov

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The International Union of Forest Research Organizations (IUFRO) is a non-profit, voluntary, international scientific union open to all organizations and individuals involved in forestry and forest products research. Currently, more than 120 countries are represented with approximately 15,000 participating scientists from more than 650 member institutions.

This publication is also available online on the IUFRO website.

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Introduction

The idea for a series of books about prominent scientists and active offices collaborating in the International Union of Forest Research Organizations (IUFRO) was announced at the IUFRO Anniversary Congress 125 in Eberswalde-Freiburg in September 2017. The first two books in the series have since been published: *Honorary Members of IUFRO: 1953 – 2017* (Teplyakov 2018) and *The IUFRO's Scientific Achievement Award: 1971 – 2019* (Teplyakov 2019).

In the forest-related community, service to IUFRO is recognized as a highly valued and prestigious professional and public activity that occurs in a voluntary capacity outside normal terms of employment. The Union has over 600 research units (i.e. Divisions, Research Groups, Working Parties, Task Forces, Special Programmes, Projects, and Chapters), which annually hold 70–80 regional conferences and meetings worldwide, besides IUFRO World and Regional Congresses and all-Divisional Conferences. Each symposium involves from a few dozens to hundreds, and sometimes thousands, of people. This requires that the organizers have both professional and strong organizational skills as well as the public recognition and administrative support of the host city and country.

The IUFRO differentiates important services to the Union through a number of honours and awards, including Honorary Membership, the Distinguished Service Award, a Certificate of Appreciation, an Anniversary Certificate and a Membership Certificate. The Distinguished Service Award (DSA) was the third IUFRO award to be established, being approved in 1978 and awarded for the first time in 1981 to Dr. Mitsuma Matsui, Chair of the Congress Organizing Committee of the XVII IUFRO World Congress in Kyoto, Japan. The design of this Award has symbolized the unity of the IUFRO members from 5 continents: it consisted of four cubes and a mount, made out of wood of five different tree species from the 5 continents. A metal name plaque is attached before the award presentation.

A new design for the award was developed by Dr. Allan David Schwarz from the Mezimbite Forest Centre in Mozambique and was delivered for the first time at the XXV IUFRO World Congress held in Curitiba, Brazil. It is made out of 10 different African tropical tree species – nine pieces of upright wood and a mount. It could be said to symbolize the nine Divisions of IUFRO and their integrity within the Union. The ten species are: Mahogany (*Khaya nyassica* Stapf.), Teak (*Tectona grandis* L.), Leadwood (*Combretum imberbe* Wawra), Coconut (*Cocos nucifera* L.), Songololo (*Swartzia madagascariensis* Desv.), Panga Panga (*Millettia stuhlmannii* Taub.), Mekungu Shitum (*Acacia nigrescens* Oliv.), Kiaat (*Pterocarpus angolensis* DC.), Mezimbite (*Androstachys johnsonii* Prain.) and Mopane (*Colophospermum mopane* (Benth.) J. Léonard.). In the 40 years since it was first awarded, the IUFRO DSA has been presented to over one hundred representatives of the Union's member organizations as well as to renowned people from partner organizations in recognition of their promotion of IUFRO in the international arena.

This book is an assembly of biographical sketches prepared especially for this edition. Where possible, each sketch was reviewed by the awardees or, in the case of deceased recipients, by their relatives, colleagues or former students. Each sketch is a one-page compilation of the materials available from on-line open sources. They include the citations for each award, as published in IUFRO Congress reports, IUFRO News, letters of award from the IUFRO President or other sources. These are followed by some brief information about the awardee (date and place of birth, education, career development, professional activities, IUFRO services, and major recognitions). Each sketch also includes a short list of selected publications (*Selected research sources*), and the references that underlie this narration (*Personal sources*). References about the nomination and delivery of the DSA at the IUFRO Congresses are presented in the Bibliography.

The information for each individual was collected from open sources and translated into English from Croatian, Danish, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Serbian, Spanish, and Swedish languages. All photographs for this publication were taken from the Internet and published articles about the recipients of the IUFRO DSA or were submitted by the recipients themselves.

Acknowledgements

I would like to express my gratitude to the people who helped me in my work on this book about the recipients of the IUFRO Distinguished Service Award. Any work of such scope and diversity of languages and countries involved requires the strong support of many individuals, both active and retired, friends and colleagues, well-known and unknown to me, from universities and research institutes, governmental agencies and professional associations, national libraries and wood businesses, and various other institutions and organizations.

First of all, I am grateful to the relatives, wives, daughters and sons of deceased laureates of the IUFRO DSA, namely, Irene Neumann (b. Kronfellner-Kraus), René Bein and Johannes Mayer (Austria), Susie Sziklai (Canada), Cveta Tomanic (Croatia), Claus Barner (Denmark), Mikko Nyssönen (Finland), Dietrich Schmidt-Vogt, Jeanne Rubner, Sabine Dimitri, Gerhard Scholz (Germany), Franceska and Guilberto Fugalli, Marina Merlo (Italy), Mrs. Kikkawa (Japan/Australia), Arata Kikkawa and Sue Matsui (Japan), Christa van Kraayenoord (New Zealand), Irena Siwecka (Poland), Cosmin Carcea (Romania), Adolf Priesol (Slovak Republic), Samuel and Anders Sirén, Lars and Per Thunell, and Anna Nilsson (Sweden), Andri Baltensweiler, Martin and Urs Keller (Switzerland), Sue Adlard and Helen Brazier (UK), Brian Corcoran, Susan Gessel, David Hawksworth and Linda Lux, wife of Tom Ledig (USA), and Davorin Kajba for Mirko Vidaković (Yugoslavia).

My endless gratitude should go to the names of people who have made great efforts to find information, photos and contacts of living and late recipients and / or their relatives. I received a lot of help from Gary Bacon (Australia), who assisted with my inquiries for Australia and New Zealand, Heinrich Schmutzenhofer (Austria) for Austria, Europe, Central and South America, John Innes (Canada) for Canada and North America, Walter Liese (Germany) for Germany and Western Europe, Jeff Burley (UK) for Great Britain and the Commonwealth, Csaba Máttyàs (Hungary) for the Hungarians in Europe and North America, Ladislav Paule (Slovak Republic) for Central and Eastern Europe, and Sumire Williams Kawamoto (Japan/USA) for Japan and Australia.

I am also grateful to many people for their energetic help in establishing contacts and communicating with various people, colleagues and organizations in search of the information, as well as for providing photos of the recipients, and who also helped me in finding contacts in their home countries, in the areas of their professional interests or their everyday work. Among them are Sassan Asgari, Mark Dieters and Ross McMurtrie and Peter Walker (Australia), Gudrun Csikos, Raphael Klumpp, Hubert Sterba, Peter Mayer and Hans Jöbstl (Austria), José de Moraes Goncalves (Brazil), Silvie Gauthier, Kate Edwards, John Innes, Brian Titus, Margaret Warren, Colin Wood and Sue Vogl (Canada), Davorin Kajba (Croatia), Vit Šrámek (Czech Republic), Niels Elers Koch (Denmark), Johanna Buchert, Pentti Hakkila, Pekka Nygren, Risto Paivinen, and Risto Seppala (Finland), Eric Teissier du Cros and Xavier Deglise (France), Marcus Ammer, Bernd Degen, Klaus von Gadow, Dietrich Liese, Axel Roeder, Georg von Wühlisch (Germany), P. K. Nair, R. K. Jain and B. M. Kumar (India), Paola Gatto (Italy), Kazuhiro Eguchi and Koji Matsushita (Japan), Don Koo Lee (Republic of Korea), Salleh Mohd. Nor (Malaysia), Svein Solberg and Lars V. Strand (Norway), Maciej_Giertych and Jacek Oleksyn (Poland), Ovidiu Badea (Romania), Oleg A. Kulinich (Russia), Robert Brus (Slovak Republic), Pär Aronsson, Birgitta Håfors, Björn Hånell, Åsa Karlsson and Andreas Tjerneld (Sweden), Peter Bebi, Rodolphe Schlaepfer, Jürg Schweizer, Walter Schönenberger, Manfred Stähli and (Switzerland), Joan Cottrel and Keith Rennolls (UK), Steven and Andrea Anderson, Deborah Finch, George Gertner, Ted Howard, Sandy Liebhold, Deborah Lynn Rogers, Sarah McPartland-Good, Howard Rosen, Sara Senn, Stephen Shaler, Mildred Steen and Daniel Vogt (USA).

Special thanks should go to all recipients of the IUFRO DSA and to all involved into this venture: those who reviewed individual sketches and made helpful comments on the first drafts, as well as to my colleagues from the editorial board.

I am thankful to the IUFRO immediate past President Michael Wingfield, President John Parrotta and former Vice President Björn Hånell for their support, and to the IUFRO Secretariat for invaluable help, particularly Alexander

Buck for his navigation of the EU Regulation on the protection of personal data (GDPR), and to Gerda Wolfrum and Renate Prüller for providing information from the IUFRO archives and making valuable suggestions.

Special and endless thanks should go to Professor John Innes who took on the burden of language editing of the book, and Gerda Wolfrum for editing the bio-sketches of the DSA recipients for 2022–2024.

It is rather difficult to name all individuals who helped me in this endeavor, and if I missed any, please accept my apologies in advance.

Unfortunately, I was unable to find critical information about Sven-Eric Appelloth (Finland), Walter G. Kauman (France), Syama P. Raychaudhuri (India), and Hansruedi In Der Gand (Netherlands/Switzerland). Nor was I able to contact their relatives who might have provided information about them. I would be very grateful to anyone who could provide contact information about the relatives or additional information about these five individuals.

I would like to add that this is a living project, and I would very much appreciate any further suggestions, comments and proposals for improvements of any particular biographical sketch in order to make this book more comprehensive and complete.

The author

The Distinguished Service Award

“Recognizes those whose work has substantially contributed to furthering the scientific, technical, and organizational aims of IUFRO, such as accomplishing a special task in improving IUFRO’s organization, outstanding work as an officeholder, strengthening IUFRO’s activities in a geographic region, fostering IUFRO’s international position, or outstanding research accomplishments not otherwise recognized by other awards. The DSA can only be given to the individual once in his/her lifetime. Normally two to three Distinguished Service Awards are made each year.

Nominations can be made by IUFRO officeholders and members any time, but at least two month prior to the next Board meeting. Nominations and supporting material should be sent to the Chair of the Honours and Awards Committee with a copy to the Executive Director. Nominations are approved by the Board.

The awards are presented either by the President or by a high-ranking officeholder acting on the President’s behalf. The time and place for presenting each award is coordinated by the IUFRO Secretariat, in conjunction with the appropriate IUFRO officeholders. The names of the recipients are published in IUFRO News, the Annual Report and the Congress Report.

Criteria:

1. *The candidate must have been officially associated with IUFRO (e.g. officeholder, staff member).*
2. *The candidate must have displayed distinguished service to IUFRO including exemplary actions in at least two of the following:*
 - *organized one or more IUFRO training courses, seminars or conferences;*
 - *organized one or more conferences or sessions at a IUFRO Congress;*
 - *increased/encouraged IUFRO membership enrolment;*
 - *raised funds or encouraged sponsorship for IUFRO activities;*
 - *developed new IUFRO initiatives, e.g. Working Parties, programmes, Task Forces, etc.;*
 - *produced publications for IUFRO, e.g. proceedings, policy briefs, other IUFRO publications;*
 - *chaired IUFRO committee(s);*
 - *represented/promoted IUFRO at international meetings.*

Number or Frequency: *On average two to three awards can be made annually, depending on the quality of nominations.”*

IUFRO Honours and Awards 2010, p. 9–10

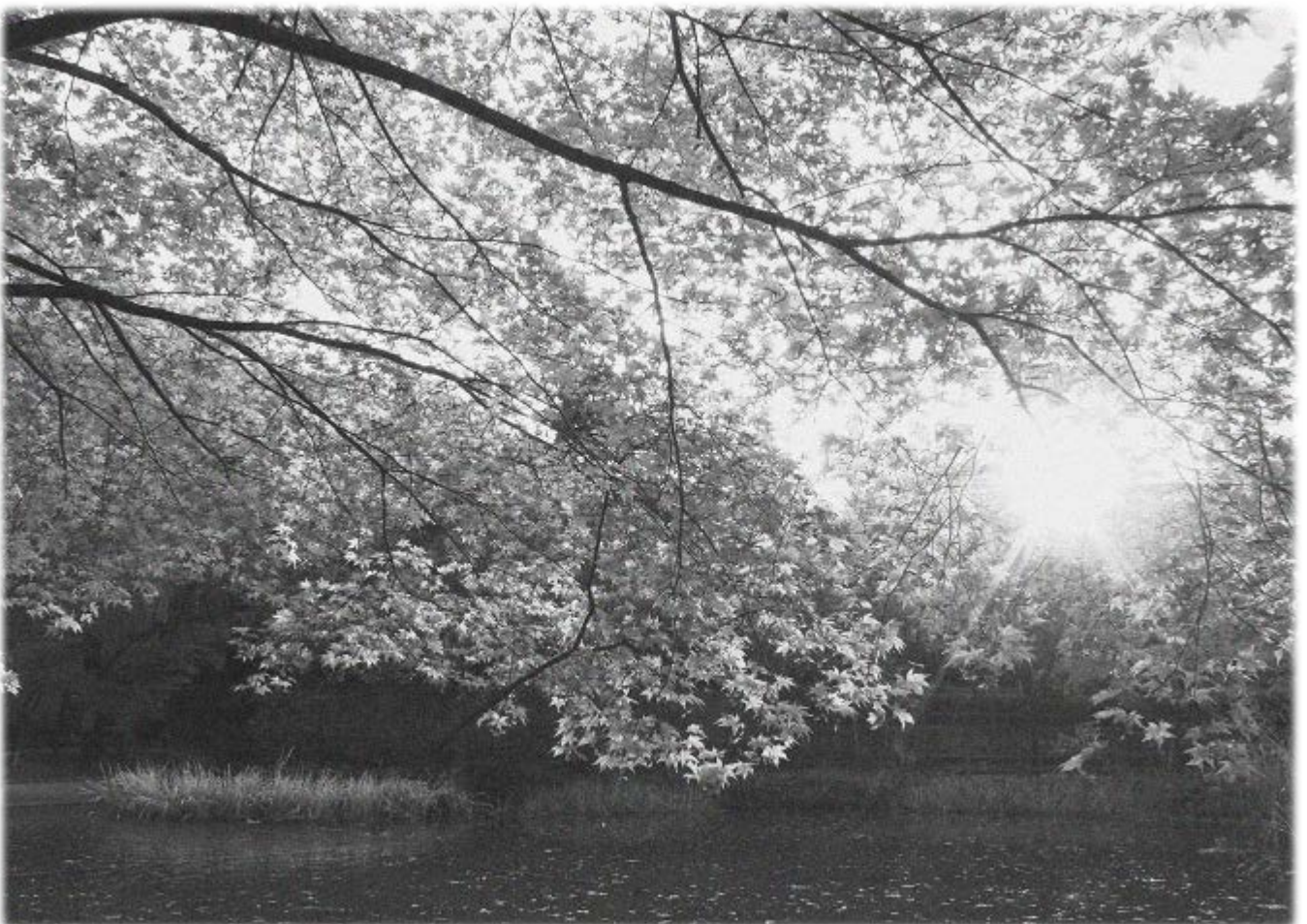
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1981 - 1986

<i>Mitsuma MATSUI</i>	<i>Japan</i>	<i>1981</i>
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<i>Frank G. HAWKSWORTH</i>	<i>USA</i>	<i>1986</i>
<i>Hansruedi IN DER GAND</i>	<i>Switzerland</i>	<i>1986</i>
<i>Hans M. KELLER</i>	<i>Switzerland</i>	<i>1986</i>
<i>William E. WARREN</i>	<i>Canada</i>	<i>1986</i>
<i>Filimon CARCEA</i>	<i>Romania</i>	<i>1986</i>



MATSUI, Mitsuma



Mitsuma Matsui received the IUFRO Distinguished Service Award in 1981 for his promotion of forestry research and for the organization of the 17th IUFRO World Congress in Japan.

Mitsuma Matsui [松井光瑤] was born on 10 September 1920 in Tokyo, Japan. He grew up in the Sendai area until the third year of junior high school. He graduated in 1944, and obtained his Ph.D. in Agriculture from Department of Forestry, Faculty of Agriculture at the University of Tokyo in 1979. He began his professional career as a researcher, and during 1947–1981 he progressed to the Research Manager of the Soil Research Department at the Government Forest Experiment Station, Forestry Agency, Japan Ministry of Agriculture, Forestry and Fisheries. In 1962, Dr. Matsui was appointed General Manager at Tohoku Branch Office, and in 1978 as Director-General of the Forestry and Forest Products Research Institute, where he served until his retirement from this governmental position in September 1981.

Dr. Matsui's research interests were in the research and management of forest soils, soil fertility, classification and survey at a national level. He was also interested in national and private forest management, forest use and reforestation. He put much effort into establishing a research system, aiming at nature and the environment as well as into research in response to social and administrative needs. He authored and co-authored more than 100 scientific papers, books, manuals and reports. Dr. Matsui played a leading role at a national level, serving as Chair of the Forest Chemicals Association of Japan (1983–2008), Adviser to the Japan Forestry Technology Association (1981–1989), Director of Agriculture, Forestry and Fisheries Promotion Council, and its Vice-Chair, and Councillor (1990–2008). He contributed greatly to the development of the Japan Forestry Association as its Vice President (1989–1993), President (1993–1997), and Honorary Chairman (1997–2008). Internationally, Dr. Matsui was a well-recognized specialist and administrator who promoted international cooperation related to forests and forestry and overseas research projects with Tunisia, Peru and many other countries.

Dr. Matsui actively promoted IUFRO in Japan. He was the first Japanese forestry scientist to lead the Forestry Service of the Government of Japan to cooperate with IUFRO and, as an observer, represented Japan at the IUFRO management meeting in 1973 when the Forestry Service of the Government of Japan was invited by IUFRO President Dr. Ivar Samset to attend. In 1970, Dr. Matsui launched an IUFRO Japanese group (later – IUFRO–Japan Secretariat) to increase the number of Japanese organizations in IUFRO. By connecting IUFRO members in Japan, he ensured the success of IUFRO World Congress in Kyoto. Dr. Matsui served as an Observer on the Executive Board of IUFRO (1977–1981). He greatly contributed to the organization of the XVII IUFRO World Congress in Japan (1981) and became the first researcher to receive the IUFRO Distinguished Service Award.

Dr. Mitsuma Matsui passed away in Tokyo at the age of 88, after a long illness.

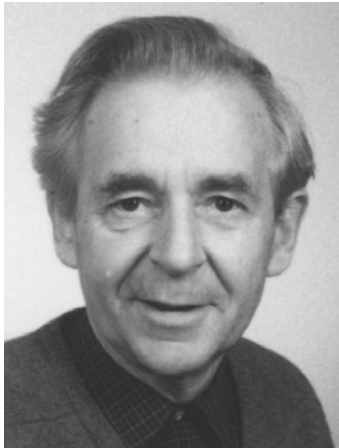
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3. Sumire Williams Kawamoto. Personal communication (April 2019) at sumirekw@gmail.com

BARNER, Helmuth Axel von



Helmuth Axel von Barner received the IUFRO Distinguished Service Award in 1983 for his coordination of several series of international provenance tests of tree species from northwestern America.

Helmuth von Barner was born on 25 March 1921 in Copenhagen, Denmark. After passing his matriculation examination (1938), he obtained his M.Sc. in Forestry (1945) from *Landbohøjskolen* (Royal Veterinary and Agricultural University, now – Faculty of Science, University of Copenhagen) at Frederiksberg. In 1945 he began his professional career as an Assistant at *Landbohøjskolens Have* (the University's Botanical Garden), Frederiksberg, then received a scholarship at the *Landbohøjskolen* Hereditary Laboratory (1947). He was also a part-time employee at the State Forestry Office (1947–1950), and as an Assistant to Professor C. Syrach-Larsen participated in the establishment of the Danish State Forest Trees Improvement Station (1950), where he served as a Deputy Director (1950) and then Director (1955–1986).

Mr. von Barner has focused his research on provenance testing and forest seed production, forest tree breeding, forest genetics and tree improvement, and on the importance of bringing together research and practice and ensuring the benefits of such a symbiosis. He believed that this work would make Danish forestry healthier, more productive and of higher quality. He published many scientific and professional articles in scientific and popular journals, as well as books, chapters and reports.

Mr. von Barner served as a consultant to OECD's Forest Tree Seed Scheme (1965–1983). He participated in an Indo-Danish Project on Seed Procurement and Tree Improvement and in establishing land-based projects for seed supply. Supported by the UNFAO and Danish International Development Assistance (Danida), from the mid-1960s, he initiated a series of courses on forest genetic resources management in Denmark (1966), Kenya (1973), and Thailand (1975). With Henrik Keiding he initiated and contributed to the establishment of the Danida Forest Seed Center and was its first Head (1969–1990), making it well-known and respected worldwide. He was a member of numerous national and international committees, including the Joint Committee for Provenance testing (1960–1974), the Nordic Forestry Forest and Plant Council (1968–1983), the FAO Panel of Experts on Forest Gene Resources (1968–1974), and the Danish State Committee for Control with Understanding Propagation Material (1975–1983), to name just a few.

Mr. von Barner was elected in 1970 as a foreign member of the Swedish Royal Forest and Agricultural Academy. He received the Annual Tree Award (1992) and the Danish Forest Association's Forest Prize (1999). He was a leader of IUFRO WG on Seed Procurement for Provenance Research (1965–1980) and coordinated several series of international provenance tests of tree species from northwestern America. Helmuth von Barner died in Hornbæk, Denmark on 18 June 2007 at the age of 86.

Selected research sources:

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2. Barner C. von. Personal communications (August 2019) at c.barner@mail.dk

APPELROTH, Sven-Eric Wilhelm



Sven-Eric Wilhelm Appelroth received the IUFRO Distinguished Service Award in 1986 for his long-term contributions to IUFRO activities, especially Division 3.

Sven-Eric Appelroth was born on 30 December 1929 in Viipuri (Viborg), Finland. He studied Forestry at the University of Helsinki, from where he earned all his degrees – B.Sc. (1954), M.Sc. (1963), Licentiate (1977) and Ph.D. in Forestry (1983). He began his professional career as a Forest Officer at Saxen & Co. (1954–1957) and worked as a District Forest Officer at W. Rosenlew & Co. (1957–1959). He then tightly linked his research and teaching activities with *Metsäntutkimuslaitos* (METLA, the Finnish Forest Research Institute) as Research Officer of the Department of Forest Technology (1959–1961), then Senior Research Officer (1961–1985), and Assistant Professor in Technology of Forest Regeneration (1985–1992) until his retirement in 1992. In parallel, he delivered lectures at the University of Joensuu.

Dr. Appelroth's research interests were focused in the field of mechanization of forestry, including seed collection in tree orchards, the maintenance of tree nurseries, site preparation, and the treatment of seedlings and other materials. He also worked intensively on afforestation, reforestation, and silvicultural treatment of forests, improvement of techniques and machinery, wood and wood bark recycling and other issues. In these fields he authored and co-authored numerous papers in scientific and professional journals, book chapters and reports. He served as a member of the editorial board of *Forest Engineering* (until 1991) when he had to resign for health reasons.

Dr. Appelroth was a member of the Finnish Forestry Society (1968–2011), Finnish Genealogical Society (1989) and several international associations and professional organizations. He actively participated in the Joint FAO/ECE/ILO Committee on Forest Working Techniques and Training of Forest Workers. His fluency in Swedish, Finnish, English and German enabled him to be aware of many new inventions in his field of research and to provide his expertise to foresters, business people and students.

Dr. Appelroth was very active in IUFRO Division 3. In 1982 he established and became the long-time coordinator of IUFRO WP S3.02.03 Nursery operation. The following year, he was co-sponsor/co-organizer of the Seminar on Machines and Techniques for Plant Production (June 1983, the High Tatras, Czechoslovakia) together with the Joint FAO/ECE/ILO Committee on Forest Working Techniques and Training of Forest Workers. Similar meetings were held in other countries, e.g., the USSR (1987).

Dr. Sven-Eric Appelroth passed away in 2011.

Selected research sources:

1. *Tutkimuksia metsänviljelytyöstä I: Kourukuokka, kenttälapio, taimivakka, taimilaukku sekä istutuskoneet Heger ja LMD-1 istutettaessa kuusta peltoon.* Folia Forestalia, 85. 32 S. [Studies on afforestation work 1: The use of the semi-circular hoe, the field spade, plant basket, seedling bag and the planting machines Heger and LMD-1 in planting spruce in the field]. (with P. Harstela). 1970.
2. *Tidbehovet vid manuell plantering av täckrotsplantor efter maskinell markberedning.* Helsingin yliopisto. 136 S. [Time required for manual planting of containerized plants after mechanical soil preparation, Ph.D. thesis. In Swedish]. 1983.
3. *Nine Thousand Years of Forests in Finland.* A paper presented at the IUFRO Symposium "Northern Forest Silviculture and Management" (Lapland, Finland, August 16-22, 1987). 7 p. 1987.

KRONFELLNER-KRAUS, Gottfried



Gottfried von Kronfellner-Kraus received the IUFRO Distinguished Service Award in 1986 for his outstanding contribution to the organization of IUFRO Division 1 research on torrent erosion, floods, mudflows, snow damage and avalanches, and their control.

Gottfried von Kronfellner-Kraus was born on 6 July 1926 in Moreara-Enim, Dutch India (now Indonesia). He obtained his Dipl.-Ing. in Forestry (1949) and his Doctorate degree (1970) at *Universität für Bodenkultur Wien* (BOKU – University of Natural Resources and Applied Life Sciences in Vienna). His doctoral study was dedicated to the study of massive, unreinforced barriers. In 1949 he began his professional career at the Villach section of the Austrian Service for Torrent and Avalanche Control and then at the Austrian Federal Forest Research Institute (FBVA, now – BFW, *Bundesforschungs- und Ausbildungszentrums für Wald, Naturgefahren und Landschaft*). In 1966, after the devastating floods and meteorological disasters in Austria in 1965 and 1966, he was appointed as the first Director of the newly established FBVA's Institute for Torrent and Avalanche Control, a position he held until his retirement in 1990.

Dr. Kronfellner-Kraus's research on torrent erosion, floods, mudflows, snow damage and avalanches and their control with natural barriers resulted in numerous research papers, reports, book chapters and books. He proposed a torrentiality factor and a coefficient for its calculation (1984). He was a frequent keynote speaker at national and international scientific meetings, seminars and other scientific symposia. Dr. Kronfellner-Kraus also held high positions in the European Forestry Commission of the UN FAO in Rome. His achievements were recognized with various honours and awards.

Dr. Kronfellner-Kraus was a longstanding IUFRO Officer, working as Coordinator of IUFRO SG S1.04-00. A group that over time has changed its name several times, i.e., Torrent erosion and torrent brook construction (1968–1971), Torrents, snow and avalanches (1972–1981), and Prevention and control of torrent erosion, floods and mudflows, snow damage and avalanches (1982–1986). While holding office, Dr. Kronfellner-Kraus supported the publication of more than a dozen proceedings of various meetings held or organized by this IUFRO unit, including some held jointly with FAO.

Dipl.-Ing. Dr. Gottfried Kronfellner-Kraus passed away on 21 January 2000.

Selected research sources:

1. Über offene Wildbachsperrren. *Mitteilungen der Forstlichen Bundesversuchsanstalt* No. 88. Forstliche Bundesversuchsanstalt, Wien, S. 7–76. [Open torrent control dams]. 1970.
2. *Untersuchungen and Messungen an Wildbachsperrren*. Paper presented at the 15th IUFRO World Congress at Gainesville, FL. March. 63 pp. [Studies and measurements on torrent check dams]. 1971.
3. Extreme Feststofffrachten und Grabenbildungen von Wildbächen. In: *Int'l Symp. Interpraevent–1984 – Villach*, Tagungspublikation, B. 2, S. 109–118. [Extreme sedimentation and gullying of torrents]. 1984.
4. Zur Anwendung der Schätzformel für extreme Wildbach-Feststofffrachten im Süden und Osten Österreichs. *Zeitschrift für Wildbach- und Lawinverbauung* Jg. 51: 187–200. [The application of the estimation formula for extreme torrent-solid-matter freight in the south and east of Austria]. 1987.
5. Über die Einschätzung von Wildbächen: Der Dürnbach. *Mitteilungen der Forstlichen Bundesversuchsanstalt* No. 161. Forstliche Bundesversuchsanstalt, Wien. 259 S. [On the Assessment of Torrents Dürnbach]. 1988.

Personal sources:

1. Ruhm F. (1986) Gottfried Kronfellner-Kraus – 60 Jahre. *Holz Kurier* 41, 10 (29): 10. 1986.
2. Ruhm F. (1990) Gottfried Kronfellner-Kraus gestorben. *Österreichische Forstzeitung* 7: 52. 1990.
3. Neumann I. Personal communications (September 2019) at irene.neumann@aon.at

BRAZIER, John David



John David Brazier received the IUFRO Distinguished Service Award in 1986 for his long-term leadership of the research of Division 5, and especially on wood quality.

John Brazier was born on 1 March 1927 in London, United Kingdom. He earned his B.Sc. in Forestry (1947) and B.Sc. (Hons.) in Botany (1948) at the University College of North Wales, Bangor, and in 1981 he obtained his Doctorate of Science (D.Sc.) at the University of Wales. Dr. Brazier spent his entire professional career with the Forest Products Research Laboratory (FPRL), later the Princes Risborough Laboratory, Building Research Establishment, where he began as a Researcher (1948) in the Wood Anatomy section. In 1968 he was promoted to Section Leader and in 1971 appointed the Leader of the combined Anatomy and Timber Mechanics Sections, designated Properties of Materials, from which he retired as Head at the end of February 1987. He also made a notable input into British wood science education starting as an External Examiner (1972) and serving as Chief Examiner of the UK Institute of Wood Science (1974–2010). In 1987, Dr. Brazier was awarded the Imperial Service Order for his contribution to wood science research and education.

Dr. Brazier's research interest was focused on the structure and identification of hardwoods, especially tropical hardwoods such as *Dipterocarpaceae*, improved use of tropical forest resources, comparative and systematic anatomy of timber, relationships between wood structure and tree growth, plywood made from tropical hardwoods, as well as the growth, properties and uses of UK-grown timber, especially Sitka spruce (*Picea sitchensis*), and related areas. He made a significant contribution to the establishment of the U.K. and then the European Plywood Standards. He authored and co-authored over 70 research papers.

Dr. Brazier played a significant role in the Commonwealth Forestry Association (CFA), where he served as Chairman (1982–1985) and Vice-President (1986–2013), as well as being a long-standing member of the Governing Council, Executive Committee and Editorial (Publication) Committee. In addition, he was closely associated with the British Forestry Commission as a member of its Advisory Committees on Research (1980–1987) and Home Grown Timber, serving also as a Chairman of the Technical Sub-Committee (1987–1999). Dr. Brazier was a Fellow of the British Institute of Wood Science (1957), of which he was President in 1988–1990 and Chairman of the Education Committee. He was a member of the Institute of Chartered Foresters (1964, Fellow 1987), where he was twice recognized with the Silvicultural Prize (1973 and 1994) and elected an Honorary Member (1993).

His expertise brought him wide international recognition. He was a member of the IAWA (1954), a Fellow of the IAWS (1979) and an Honorary Fellow of the CFA (1999). He travelled worldwide to deliver presentations at scientific meetings and provide consultancies to many timber institutions, including those in Turkey (1970, 1972), Iran (1972, 1973), Guyana (1978) and Burma (1986, 1988). Dr. Brazier actively participated in IUFRO as Coordinator of unit S5.01 Wood quality (1978–1986). Dr. John D. Brazier passed away on 24 November 2013 in Bledlow, Buckinghamshire after a long illness.

Selected research sources:

1. Timber Improvement I: A study of the variation in wood characteristics in young Sitka spruce. *Forestry*, 43: 117–138. 1967.
2. Timber Improvement II: The effect of vigour on young growth Sitka spruce. *Forestry*, 43: 135–150. 1970.
3. The effect of forest practices on quality of the harvested crop. *Forestry*, 50: 49–66. 1977.

Personal sources:

1. Dinwoodie J. John D. Brazier 1927–2013. Obituary. *CFA Newsletter*, March, 64: 14. 2014.
2. Brazier H. Personal communications (October 2019) at brazier@harlyn.demon.co.uk

HAWKSWORTH, Frank Goode



Frank Goode Hawksworth received the IUFRO Distinguished Service Award in 1986 for his leadership and organization of IUFRO research on dwarf mistletoes.

Frank Hawksworth was born on 30 April 1926 in Fresno, California, USA. He received his B.Sc. in Forestry (1949) from the University of Idaho, a M.Sc. in 1952, and his Ph.D. in 1958 in Forest Pathology from Yale University. He spent his entire professional career – 47 years! – with the U.S. Forest Service’s Rocky Mountain Forest and Range Experiment Station from which he retired in 1990. He continued in a voluntary capacity, working from his office at the Station after retiring.

Dr. Hawksworth has been permanently involved in outreach, consulting over on-the-ground management problems with foresters, scientists and practitioners at all levels of governmental, industrial, university and private practices. During four decades of research, he authored and co-authored over 275 papers, book chapters and reports, the bulk of which were on dwarf mistletoes, which cause a great deal of damage in western North America. He completed a 40-year history of the Western International Forest Disease Work Conference (WIFDWC) and drafts of two books, one of which – *Dwarf mistletoes* – was printed in March 1996, and he worked on it until his last days.

Dr. Hawksworth was a member of the SAF, International Council of Parasitic Seed Plants, Western International Forest Disease Work Conference and other societies. His achievements were recognized with Superior Service and Technology Transfer Awards by the U.S. Department of Agriculture and the Outstanding Forestry Research Award by the Society of American Foresters. As a national authority and internationally known dwarf mistletoe specialist, he was invited as keynote speaker to various congresses and conferences, and other scientific fora and forest pests’ practitioner to professional seminars and workshops. Dr. Hawksworth actively collaborated in IUFRO as a leader of IUFRO Division 2 unit on forest pathology.

Dr. Frank G. Hawksworth a 35-year resident of Fort Collins, died on 8 January 1993. “He is commemorated by *Arceuthobium hawksworthii* (a recently described species of dwarf mistletoe from Belize), *Phoradendron hawksworthii* (a mistletoe parasite of juniper in western Texas), and *Frankliniella hawksworthii* (a species of thrips associated exclusively with dwarf mistletoes)” (Biology of dwarf mistletoes, p. v]. The Frank Hawksworth Memorial Graduate Student Scholarship was established by Colorado State University for those working in tree disease management or forest ecosystem management.

Selected research sources:

1. *Dwarf mistletoe of ponderosa pine in the Southwest*. Washington: USDA iii, 112 p. 1961.
2. *Glossary of dwarf mistletoe terms*. Environment Canada, Canadian Forestry Service, Pacific Forest Research Centre, Victoria, BC. Inform. Rep. BC-P-02. 42 p. (with J.A. Baranyay and R.B. Smith). 1971.
3. *Biology and classification of dwarf mistletoes (Arceuthobium)*. Agriculture handbook. Washington: USDA FS, U.S. Govt. Print. Off. viii, 234 p. (with D. Wiens). 1972.
4. *Mistletoes on introduced trees of the world*. Washington: USDA FS, U.S. Govt. Print. Off. 49 p. 1974.
5. *Biology of dwarf mistletoes: Proceedings of the symposium* (August 8, 1984, Colorado State University, Fort Collins). F.G. Hawksworth; R.F. Scharpf, eds. Fort Collins, CO: USDA FS, GTR RM, 111. 131 p. 1984.
6. *Dwarf mistletoes: biology, pathology, and systematics*. Agriculture handbook 709. Washington: USDA FS. xiv, 410 p. (with D. Wiens; B.W. Geils, tech. ed. and R.G. Nisley, managing ed.). 1996.

Personal sources:

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2. Hawksworth D. Personal communications (September 2019) at david.l.hawksworth@usda.gov

IN DER GAND, Hansruedi



Hansruedi In der Gand received the IUFRO Distinguished Service Award in 1986 for his outstanding leadership in IUFRO research on snow and avalanches.

Hansruedi In der Gand was born in the Netherlands. In 1945, he obtained his Diploma of Forest Engineer from the *Eidgenössische Technische Hochschule Zürich*, Switzerland (ETHZ, Swiss Federal Institute of Technology in Zurich). In the same year he began his professional career as a Researcher in the Research Group "Snow Cover and Vegetation" at the *Eidgenössisches Institut für Schnee- und Lawinenforschung auf Weissfluhjoch ob Davos* (EISLF, now Swiss Federal Institute for Snow and Avalanche Research, WSL). In 1954 he was appointed as the Head of this Research Group (from 1961 Section III), Deputy Director (1981), and in November 1984 he retired from the Federal Service.

Mr. In der Gand's research interests were in the field of snow cover, primarily in forests, structural and forestry avalanche protection measures, development of temporary timber defense structures and measures against snow gliding, and various wood preservation processes. He was particularly interested in forest avalanche protection, which in the 1960s led him to tackle the problem by afforestation in avalanche areas near the tree line. He authored and co-authored many research publications, scientific and technical reports, including coordinating the editing of the *Winterbericht* (Winter Report) since 1978/1979.

Mr. In der Gand put much of his efforts and passion into the establishment of the experimental site Stillberg/Davos. He has also created an exemplary timber defence structure in a reforestation area in Pusserein/Schiers, which was supplemented by various measures against snow gliding. He transferred his rich experience into practice via numerous courses given to forestry personnel, particularly in the area of wooden protective measures. He was a member of the International Association of Hydrological Sciences (IAHS).

For about a quarter of century, from the 1960s onwards, Mr. In der Gand was an active IUFRO Officeholder in Section 11 Forest Influences and Watershed Management (Division 1) in its WG on Snow and Avalanches.

Selected research sources:

1. *Snow and avalanches during the winter 1945/46*. Mitt. eidg. Inst. Schnee und Lawinenforschung. Germany. 78p. (with M. Schild). 1946.
2. Snow gliding and avalanches. In: Proceedings. Symposium at Davos 1965 – Scientific Aspects of Snow and Ice Avalanches. *IAHS Publication*, 69. Wallingford, U.K., pp. 230-242. (with M. Zupančič). 1965.
3. *Recent Findings on Snow Sliding*. Forest Service, U.S. Department of Agriculture. 18 p. 1969.
4. *Lawinenschutz in der Schweiz*. von F. Castleberg, H. R. In der Gand, F. Pfister, B. Rageth, eds. Bündnerwald Zeitschrift des Bündnerischen Forstvereins und der SELVA, Beiheft Nr. 9, [ii] 222 p., illus. [Avalanche protection in Switzerland]. 1972.
5. Statement of knowledge on snow and avalanches in relationship to forests in Europe. *XVII IUFRO World Congress, Japan 1981*. Proceedings-Referate-Exposes, Division 1, Congress group 4, p. 319-337. 1981.

Personal sources:

Jaccard C. Einleitung. *Schnee und Lawinen in den Schweizer Alpen, Winter 1982/83*. EISLF Winterberichte, No.47: 3. Davos, Switzerland. [Introduction. Snow and avalanches in the Swiss Alps. 132 p.]. 1984.

KELLER, Hans Martin



Hans Martin Keller received the IUFRO Distinguished Service Award in 1986 for his substantial contribution to IUFRO activities on forest hydrology.

Hans Keller was born on 3 August 1936 in Münsterlingen, Switzerland. He received a Diploma in Forestry (1960) from the *Eidgenössische Technische Hochschule Zürich* (ETHZ – the Swiss Federal Institute of Technology in Zurich) and began his career in forest hydrology under the supervision of Professors A. Engler and H. Burger at the Swiss Federal Institute for Forest Research (now Swiss Federal Institute for Forest, Snow and Landscape Research, WSL) in Birmensdorf. Hans Keller then received his M.Sc. in Watershed Management (1963) from Colorado State University in Fort Collins, USA, and returned to the Institute. In 1970, Hans Keller earned his Ph.D. back at the ETHZ. His doctoral dissertation was entitled “Stream water chemistry in small partially forested catchments in the Flyschzone of a prealpine valley.”

Hans Keller focused his research on forests and hydrological processes and various components of water-nutrient balances, the role of planted forests in mountain landscapes in water quality and quantity dynamics, simulation of hydrological processes, establishing a robust database for forested catchment hydrology, and many other related fields. He initiated and established a study area in the Alptal to collect data as well as sediment transportation measurements on the Erlenbach torrent in the Alptal. His group then began working on the simulation modelling of hydrological processes and the components of water and nutrient circulation. In 1993, shortly before his death, the results of 25 years of research in the Alptal were presented at a conference.

Hans Keller, a well-known professional, was often invited to give lectures or special courses at the University of Zurich, the Swiss Federal Institute of Technology or Colorado State University in USA, or to present at various conferences and seminars. He expanded his experience in the area of forested catchment hydrology in New Zealand and actively participated in European projects. He was also an active member of the Swiss National Hydrological Commission and the European Reference Basin Network. Hans Keller was the Swiss National Representative for the International Association of Hydrological Sciences (IAHS), Vice President of its Commission on Water Quality, Chairman of its Nominations Panel in Vienna, and from 1988 – an Associate Editor of the IAHS’s *Hydrological Sciences Journal*. Within IUFRO, Hans Keller made his first presentation at the Congress in Germany (1967), later collaborating with various IUFRO units, and was Coordinator of the IUFRO WG on Forest Hydrology. Hans Keller was tragically killed together with his wife and their mountain guide and friend on 30 July 1993 in the Swiss Alps by a slab avalanche, uncommon at that time of year. The rescue workers were unable to help them.

Selected research sources:

1. Factors affecting water quality of small mountain catchments. *J. Hydrol. (NZ)* 9(2): 133–141. 1970.
2. Recession characterization of small mountain basins, derivation of master recession curves and optimization of recession parameters. *IAHS Publication* 138: 243–255. (with L.S. Pereira). 1982.
3. European experiences in long-term forest hydrology research. In: *Forest Hydrology and Ecology at Coweeta*. W.T. Swank and D.A. Crossley, Jr., eds. Springer New York, pp. 407–414. 1988.
4. Suspended sediments in streamwater-indicators of erosion and bed load transport in mountainous basins / *IAHS Publication* 203: 53–61. (with P. Weibel). 1991.

Personal sources:

1. Naef F. (1993) Obituary: Hans M. Keller. *Hydrological Sciences*, December 38(6): 567–568. 1993.
2. Keller M. Personal communications (August–September 2019) at manikeller@hotmail.com

WARREN, William (Bill) G.



William G. Warren received the IUFRO Distinguished Service Award in 1986 for his outstanding contribution to biometrics and statistics research within IUFRO Division 4.

Bill Warren was born on 12 May 1932 in Motueka, New Zealand. He received a M.Sc. in Pure and Applied Mathematics from Auckland University in 1953. Fate decreed that his career would be in the application of statistical methods and he received a Ph.D. at the University of North Carolina, USA, in 1963, including a split minor in Forestry at Duke University. He began his professional career as Biometrician at the New Zealand Forest Research Institute (1954–1967). He was appointed as a Research Statistician for the Western Forest Products Laboratory, Canadian Forestry Service, Department of the Environment in Vancouver, BC (1967–1983), was an Untenured Professor at the Department of Experimental Statistics, Louisiana State University in Baton Rouge (1983–1987), and a Research Professor for the School of Forestry, Oregon State University in Corvallis (1987–1990). He then switched to marine resources statistics and biometry and worked as a Research Scientist for the Science Branch, Department of Fisheries and Oceans in St. John's, NF, Canada (1990–2007).

Initially Dr. Warren's research lay in mensuration but soon expanded to all branches of forestry and ultimately the full spectrum of ecology and especially natural resources. This diversity provided many challenges which were resolved by his novel application of existing methodologies. His over 100 authored and co-authored research papers, book chapters, scientific and technical reports, edited proceedings of scientific meetings, and invited conference papers are noted for the novel application or modification of existing statistical theory. He served as Assistant Editor of *Canadian Journal of Forestry Research*, *Biometrics*, *Journal of Agricultural, Biological and Environmental Statistics*, *Canadian Statistical Society* and *Canadian Journal of Fisheries and Oceans Research*. He was a member of various national and international professional associations and organizations including the board of directors of the New Zealand Statistical Association (founding editor of the *New Zealand Statistician* subsequently merged with the *Australian Journal of Statistics*), the Statistical Society of Canada (Program Chair, Treasurer) and the Biometrics Society Western North American Region. His contributions and achievements were recognized with several honours and awards including Fellowship of the American Statistical Association and Distinguished Statistical Ecologist – from the International Ecological Society.

Dr. Warren actively participated in the meetings and work of several IUFRO Divisions, e.g., in Division 2 on effects of breeding on physical and chemical properties of wood, in Division 4 on sampling during forest inventory or use of mathematical statistics in forest research, and in Division 5 – on dimensions of lumber and statistics for forest products research.

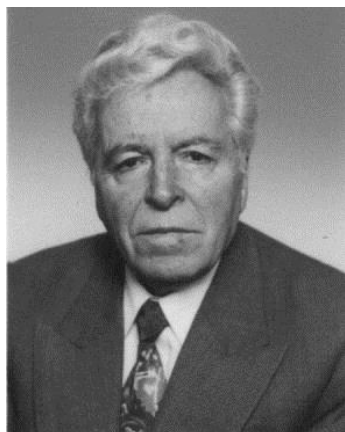
Selected research sources:

1. Line intersect sampling: An historical perspective. In: V.J. LaBau and T. Cunia, eds. *State-of-the-art methodology of forest inventory: a symposium proceedings*. Gen. Tech. Rep. PNW-GTR-263. Portland, OR: USDA Forest Service, Pacific Northwest Research Station. 635 p. 1990.
2. *Process Modelling of Forest Growth Responses to Environmental Stress*. R. K. Dixon, R. S. Meldahl, G. A. Ruark and W. G. Warren, eds. Timber Press, Portland, Oregon. 441 p. 1990.
3. T. G. Gregoire, D. R. Brillinger, P. J. Diggle, E. Russek-Cohen, W. G. Warren, R. D. Wolfinger (eds.). *Modelling Longitudinal and Spatially Correlated Data: Methods, Applications, and Future Directions*. Springer-Verlag, New York. 402 p. 1997.

Personal sources:

Warren W.G. Personal communications (October 2019) via his daughters Margaret Warren and Sue Vogl.

CARCEA, Filimon



Filimon Carcea received the IUFRO Distinguished Service Award in 1986 for his long-term outstanding contribution to IUFRO activities especially Division 4.

Filimon Carcea was born on 5 December 1925 in Lopatnic, Republic of Moldova. He received his Diploma of Forestry Engineer (1950) from Polytechnic School of Bucharest, and his Ph.D. in Forestry (1964) from the Polytechnic School of Brasov. He began his career in 1949 (as an Engineer, in 1950) at the newly established Forest Engineering Institute (IPS) where he progressed to Head of Department, Project Manager and then Chief of Division. In 1959 he was appointed Head of the Forest Service in the Ministry of Forestry Economics, a position that allowed him to elaborate official instructions applying forest treatments in all Romanian forests (1966) and which were later (1988 and 2000) taken as a base for technical forestry guides. In 1969, he returned as Technical Director to the *Institutul de Cercetari și*

Amenajari Silvice (ICAS – Institute of Forest Research and Development), where he worked until his retirement in 1992.

Dr. Carcea's major interests were in the area of silviculture, forest treatment, functional zoning of forests, and improving the methods of organizing the wood production process. He developed management planning methods in forestry and the original concept of "indicative growth", recognized at that time as a new procedure for establishing allowable cuts through the use of forest management plans. He published his work in more than 80 scientific and technical papers including 21 in foreign languages in journals, proceedings and other international publications. Dr. Carcea was a corresponding (1991) and then full (since 2003) member of the Romanian Academy of Agricultural and Forestry Sciences "Gheorghe Ionescu Sisesti" (ASAS).

Dr. Carcea was invited as a national expert by the UN FAO (1994–1998), the European Commission of Forests, the Ministerial Conference on the Protection of Forests in Europe (MCPFE), and many bilateral cooperation activities in Europe (Switzerland, France, Germany, former USSR and Czechoslovakia) and in developing countries (Algeria, Costa Rica, Colombia, Zaire, Equatorial Guinea), and others. He spoke French, Spanish, German, Russian and Italian fluently.

From 1967, Dr. Carcea was active in the IUFRO WG on Forest Management Methods. From 1976 to 1986, he was Coordinator of SG S.4.04.00 Forest Management and Planning (later re-organized into Forest Management and Economics). From 1996, he served in WP 4.04.07 (later renamed 4.04.03 SilvaPlan), and from 2002, he was involved in terminology work resulted in the Romanian version of the Terminology of Forest Management Planning published in 2014 as "IUFRO World Series Volume 9-ro".

Dr. Filimon Carcea passed away in Bucharest on 24 January 2019.

Selected research sources:

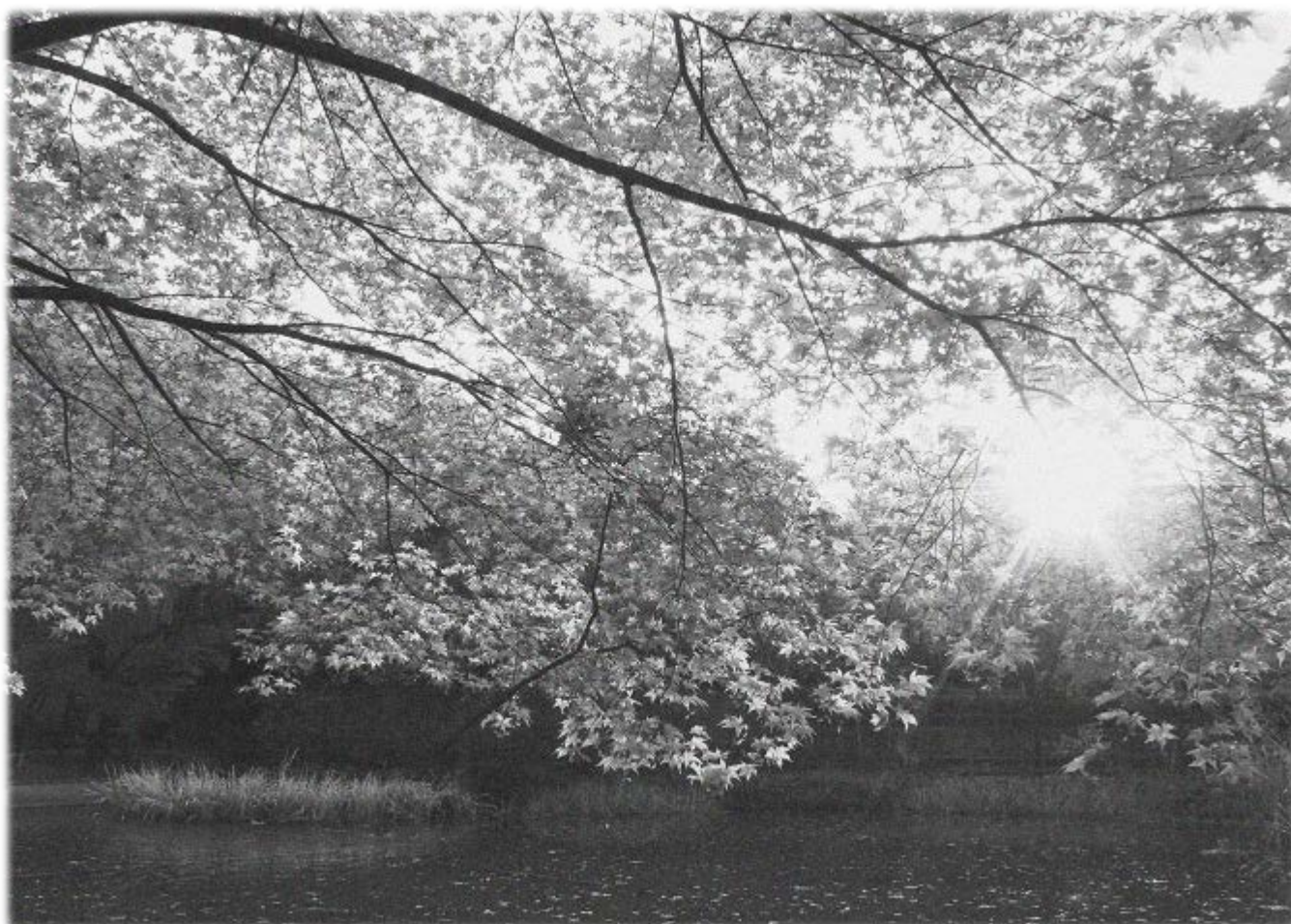
1. *Metoda de amenajare a pădurilor. Editura Agrosilvică* 114 p. [The method of forest planning]. 1969.
2. *Forest Management in various countries of the World*. F. Carcea, ed. IUFRO, Vienna. 359 p. (IUFRO SG S4.04, Forestry Management and Planning. Available in English, French, or German). 1983.
3. *Determinations of the forests' allowable cut in various countries of the world*. F. Carcea, ed. Bucharest, Romania: ICAS. 268 p. (IUFRO S4.04 Forest Management Planning and Management Economics. In English, French, and German. In Japanese, 190 p.). 1986.

Personal sources:

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2. https://www.iufro.org/download/file/26110/1675/birthday-filimon-carcea-revista-padurilor_pdf
3. Badea O. Personal communications (June 2019) at obadea@icas.ro

1987 – 1990

<i>Walter G. KAUMAN</i>	<i>France</i>	<i>1987</i>
<i>Bertil H. THUNELL</i>	<i>Sweden</i>	<i>1987</i>
<i>Ryoichi HANDA</i>	<i>Japan</i>	<i>1987</i>
<i>Stanley P. GESSEL</i>	<i>USA</i>	<i>1988</i>
<i>Helmuth SCHMIDT-VOGT</i>	<i>Germany</i>	<i>1988</i>
<i>Chris W.S. von KRAAYENOORD</i>	<i>New Zealand</i>	<i>1988</i>
<i>Syama P. RAYCHAUDHURI</i>	<i>India</i>	<i>1989</i>
<i>Polona AMBOZIC (KOMAC)</i>	<i>Yugoslavia</i>	<i>1990</i>
<i>Jan MATERNA</i>	<i>Czechoslovakia</i>	<i>1990</i>
<i>Brian R. PAYNE</i>	<i>USA</i>	<i>1990</i>
<i>Lorne F. RILEY</i>	<i>Canada</i>	<i>1990</i>
<i>Oscar SZIKLAI</i>	<i>Canada</i>	<i>1990</i>
<i>Mirko VIDA KOVIČ</i>	<i>Yugoslavia</i>	<i>1990</i>



KAUMAN, Walter G.



Walter G. Kauman received the IUFRO Distinguished Service Award in 1987 for his exceptional provision in the development of Division 5 Forest Products.

Walter Kauman was born in 1923 and educated in Berlin, Germany. In 1947, he emigrated to Australia and worked for the Radio Corporation Ltd. for a year before joining CSIRO in 1948 as a Laboratory Assistant at the drying laboratory in the Division of Forest Products. He took evening Courses in Physics, and in 1952 obtained his Diploma of Applied Science from the Melbourne Technical College and in 1953, a B.Sc. in Physics (First Class Hons.) from the University of Melbourne, being awarded the Dixon Scholarship Prize of excellence. In 1957, he earned his *License Speciale* in Chemical Physics at the Free University in Brussels, Belgium, and Ph.D. in Chemistry being supervised by Professor Ilya Prigogine, Nobel Prize winner (1977). In 1959, Dr. Kauman returned to Australia and was promoted to Senior Research Officer at CSIRO where he then progressed to Chief Research Scientist and Deputy Director of the Division of Building Research. He served as an expert for the FAO and UNIDO in Chile (1962–1964), Paraguay (1970), and Venezuela and Venezuelan Guyana (1974–1978) where he initiated, established and ran R&D projects for national institutions and governmental entities on forest products, wood industries and research, forest management and wood utilization.

In 1978, he settled in France, where he was responsible for research at the Wood and Furniture Technical Centre (CTBA) in Paris. He greatly influenced the development of wood science in French universities, the National Research Centre (CNRS), and the National Institute on Agricultural Research (INRA). Dr. Kauman focused his research on wood properties, including wood physics and mechanics, wood drying, forest utilization and management. He authored and co-authored about 70 papers in professional and scientific journals and proceedings. He was a member or fellow of various associations, including the IAWS, the Institute of Wood Science, Institute of Foresters of Australia, and different French scientific councils at the Ministry of Research and Technology, the Ministry of Agriculture, the Pulp and Paper Technical Centre, and the Tropical Forest Technical Centre. In parallel to his research, administrative and public services, Dr. Kauman taught as an Associated Professor at the University Nancy 1 in France (1987–1988), a Professor at three Chilean Universities in Valdivia, Santiago and Concepcion (1988–1991), and at the *Universidad de la Republica* in Montevideo, Uruguay.

Dr. Kauman actively contributed to IUFRO from 1981 as a Leader of P5.01 Properties and Utilization of Tropical Woods, and as Deputy Coordinator of Division 5 Forest Products (1986–1995). In 1992, he took the lead in organizing an All-Division 5 conference in Nancy as well as participating in the drafting of the IUFRO Report “Improved Utilization of Timber Resources in Southeast Asia” at the end of the 1980s and beginning of the 1990s.

Dr. Walter G. Kauman passed away a few years after his wife Janine, on 11 November 2005 in the south of France, where he lived after his retirement in 1988.

Selected research sources:

1. On the deformation and setting of the wood cell wall. *Holz. Roh. Werkstoff*, 26: 551–555. 1966.
2. Technological development in mechanical wood processing. Chapter 8, pp.198–223. In: M. Kallio, D. P. Dykstra, C. S. Binkley, eds. *The global forest sector: An analytical perspective*. NY: J. Wiley Sons. 1987.
3. Wood Science improves the quality of life (Academy Lecture). *Wood Sci. Technol.*, 24: 1–16. 1990.

Personal sources:

1. Deglise, X. Obituary: Walter G. Kauman (1923–2005). *Holzforschung*, 60(6): 702. 2005.
2. Deglise, X. Personal communications (May 2019) at Xavier.Deglise@lermab.uhp-nancy.fr

THUNELL, Bertil Henry



Bertil Henry Thunell received the IUFRO Distinguished Service Award in 1987 for long-term service to IUFRO and input to the research of Division 5 on wood technology and products.

Bertil Thunell was born on 9 February 1914 in Stockholm, Sweden. He earned his Diploma of Engineer (1937), Ph.D. in Technical Sciences (1943) and habilitation (1948) at *Kungliga Tekniska högskolan* (KTH, the Royal Institute of Technology) in Stockholm. In 1938, he began his career as a Researcher at the Swedish Forest Products Laboratory in Stockholm, where he served as Head of the Wood Technology Department (1944–1969), the Wood Technology Central Laboratory (1960–1965), and then as Research Director at the Swedish Wood Research Institute (1969–1979). Dr. Thunell taught at the KTH, and progressed from Assistant Professor (1938) to Docent (1939–1943) and Professor of Wood Technology (1969–1980). He was a co-founder and Head of the KTH Department of Wood's Mechanical Technology (1944–1979), and from 1980 – a guest Professor.

Dr. Thunell's major research interests were in the field of material properties of wood, wood technology from microscopic observations on the machined surface of wood, properties of wood from sawmilling to final products, and mechanical grading. He was a pioneer in nesting and sawmill development. He published over 100 scientific publications, technical reports, book chapters, books and manuals.

Dr. Thunell was intensively involved in the FAO's World Conferences on Wood Technology, being Vice-Chairman of the first (Geneva, 1949), and a Vice-President of the third (Paris, 1954) and fourth (Madrid, 1958) conferences. Dr. Thunell, as an acting President, was at the founding (1960) of the International Wood Research Society (IWRS, since 1966 – International Academy of Wood Sciences, IAWS), being a Fellow from its establishment. Dr. Thunell was a member of the Swedish Academy of Engineering Sciences. He was part of the foundation years of the Society of Swedish Sawmillers (1943), serving as its secretary, chairman, and honorary chairman. He served as a board member of the T-wood Association (1949), and the Wood Technical Association (1959). He received various honours and awards including the Swedish Order of the North Star (1963), the Wasa Medal (1979), Doctor *honoris causa* at Ludwig Maximilian University in Munich (1970), and honorary memberships in the Society of Finnish Sawmillers and the Norwegian Society of Wood Technology.

Dr. Thunell was active in IUFRO Section 41 as Coordinator of the WG on Mechanical Conversion (1961–1971), including preparation of texts on a history and the *List of publications on bandsaws* (1971) for the IUFRO bibliography. As Deputy Coordinator (1972–1976), he contributed greatly to the development of Division 5 Forest Products. Professor Thunell passed away on 6 September 2000 in Djursholm, Sweden, at the age 86.

Selected research sources:

1. The Effect of Temperature on the Bending Strength of Swedish Pinewood. *Empire For. J.* 19(2): 309. 1940.
2. *Trä: dess byggnad och felaktigheter*. Stocholm, 103 p. [Wood: its building and faultiness]. 1945.
3. On the premises for mechanical grading of timber. *Pap. ja Puu* 51(4): 373–377. 1969.
4. Principles and methods to determine lumber quality. Royal Inst. of Tech., Stockholm, 1980.

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1. Håfors B. (2010) Conservation of the wood of the Swedish warship Vasa of A.D. 1628. 2nd ed. Vasa Museum, Stockholm. 187 p.
2. Saarman E. (2000) Bertil Thunell. Obituary. Manuscript. 1 p. (in Swedish).
3. Thunell L.H. Personal communications (September – October 2019) at lars@thunell.eu
4. Thunell P.U. Personal communications (October 2019) at per.thunell@telia.com

HANDA, Ryoichi



Ryoichi Handa received the IUFRO Distinguished Service Award in 1987 for promoting IUFRO in Japan and for activities in Division 4.

Ryoichi Handa [半田良一] was born on 1 February 1925 in Kyoto, Japan. In 1947, he graduated from the Department of Forestry, Kyoto University, from which he later earned his Doctor of Agriculture degree (1972), majoring in Forest Policy and Economics. He began his teaching career in 1952 as Kyoto University Lecturer at Faculty of Agriculture and progressed to Associate Professor (1954), and Professor (1964), retiring as Professor Emeritus from Kyoto University in 1988. In 1993–1999, he worked as an invited Professor at Chukyo Gakuin University.

In 1974–1975, the Ministry of Education supported Dr. Handa for a one-year Post Doctoral exchange at the University of Munich, Germany, when he spent about six months travelling through the forests of several European countries, including the United Kingdom, Finland, Sweden, and Switzerland. He visited Western Hemisphere forests in the USA and Canada prior to attending the IUFRO World Congress in Montreal (1990).

Dr. Handa's research interests were mostly related to forest and timber management and policy. His voluminous (about 300 pages) graduation thesis was on the history of timber control in Japan since pre-World War 2. He then expanded his research into the markets for timber and wood products, labour forces, forestry rent theory, forest history, social aspects of forestry, forest macroeconomics, forest administration and governance, and to the function of cultural and environmental forests. He authored and co-authored 13 scientific books and about 80 articles.

Dr. Handa made significant national contributions, serving as a Council Member of the Japanese Forest Economic Society, President of the Central Japan Common Forest Research Society (1982–1988), and President of the Peoples Forest Congress (*Kokumin Shinrin Kaigi*) (2001–2005).

Professor Handa collaborated with IUFRO Division 4 Planning, Economics, Growth and Yield, Management Policy including playing a leading role in organizing IUFRO Division 4 host country meetings at the 17th IUFRO World Congress in Kyoto, Japan (1981). He was Deputy Chair of IUFRO unit S4.05.03 (1981–1986).

Selected research sources:

1. 半田良一 (1961) 木材価格論. 地球出版, 247 頁. [Theory of wood price. Chikyu Publishing. 247 p.]. 1961.
2. 半田良一 (1972) 林業経営. 地球出版, 243 頁. [Forestry Management. Chikyu Publishing. 243 p.]. 1972.
3. On the principles of Japanese forest policy since. *Silva Fennica* 20(4): 331–338. 1986.
4. Ryoichi Handa, ed. *Forest Policy in Japan*. Nippon Ringyo Chosakai, 457 p. + Appendix 67 p. 1988.
5. 半田良一編著 (1990) 林政学. 文永堂出版, 311 頁. [Forest Policy. Buneido Publishing. 311 p.]. 1990.

Personal sources:

1. 半田良一 私の研究史. 林業経済研究所創立 70 周年記念企画 林業経済, 70 (5): 1–14 [Ryoichi Handa. My research history. An interview for the 70th Anniversary of the Forestry Economic Research Institute. *Forestry Economy*, 70 (5): 1–14]. www.foeri.org/pdf/handa.pdf 2017. Retrieved 10.04.2019.
2. Kawamoto-Williams S. Personal communications (March–April 2019) at sumirekwphoto@gmail.com
3. Matsushita K. Personal communications (April–May 2019) at matsu@kais.kyoto-u.ac.jp

GESSEL, Stanley (Stan) Paul



Stanley Paul Gessel received the IUFRO Distinguished Service Award in 1988 for his outstanding contribution to IUFRO advancement in soil science.

Stanley Gessel was born on 14 October 1916 in Providence, Utah, USA. He earned his B.Sc. in Range Management (1939) at Utah State Agriculture College in Logan under a W. D. Thompson Memorial Scholarship, and Ph.D. in Soil Sciences (1950) at University of California–Berkeley. After military service as a captain (1942–1945) of the US Army Air Force during World War II, he spent his entire professional career with the College of Forest Resources (CFR) at the University of Washington (UW) in Seattle, WA. He began there as an Instructor in 1948, and then progressed to Assistant Professor (1950), Associate Professor (1955), Professor of Forest Soils (1960), and Professor Emeritus after retirement in 1983. Professor Gessel was also a part-time staff member of the UW CFR in Marshall Islands (1958–1964), where he studied the consequences of nuclear testing. For a long time he served as Associate Dean (1965–1982) and Director of Special Programs (1982–1984) of the UW CFR. In December 1968, he was appointed as Biome Director of the project funded by the US National Science Foundation, within the Coniferous Forests Biome section of the International Biological Program.

Professor Gessel led pioneering research on forest soils, nutrition, nutrient cycling in ecological systems, forest fertilization, and the impact of nuclear testing on soils and their properties. He published numerous scientific papers and reports. He was a critical reviewer at the journal *Quaternary Research*. Professor Gessel consulted for state and private companies on soil, water and forestry problems. He invested much time and energy in the forest sector of Australia. He consulted for the New South Wales (NSW) Forestry Service (from 1986), worked with Bikini and Rongelap Island Rehabilitation for the Lawrence Livermore Laboratory (1986), and was a reviewer of the NSW Regional Forest Agreements (1995). He served as a member of the WB Review of Forestry in Indonesia (1990–1992) and of the Science Committee at Bioforest Limited, Valdivia, Chile (1992–1993).

Professor Gessel was a member of many professional societies, including the American Association for the Advancement of Science, the Soil Science Society of America, the Society of America Foresters, the International Forestry Association, the Tropical Forestry Society and others. He also participated in public life as a member of Lake City Citizens Advisory Group. His accomplishments were recognized with a citation by the Northwest Science Association, as an Honorary Alumnus by the UW Foresters Alumni Association (1976), and as Forester of Year by SAF Washington state section (1985). He actively collaborated with IUFRO, serving as Chair of the Site Group S1.02 on forest site and productivity (1970–1986), and the RG on plantation production (until 1995). He organized many meetings and workshops under the auspice of IUFRO and several side-events and sessions at IUFRO congresses from Munich (1967) to Montreal (1990).

Professor Stanley Paul Gessel passed away from heart failure at home in Seattle on 13 May 1995, at the age 78.

Selected research sources:

1. *IUFRO Symposium on forest site and continuous productivity: Seattle, Washington, August 22–28, 1982.* R. Ballard and S.P. Gessel, tech. eds. Gen. Tech. Rep. PNW-GTR-163. Portland, OR: USDA FS, Pacific Northwest Forest and Range Experiment Station. 404 p. 1983.
2. *Forest Site and Productivity.* S.P. Gessel, ed. Forestry Sciences 20. Nijhoff/Junk publ., Dordrecht, Boston, Lancaster. ix, 270 p., ill. (In collaboration with IUFRO). 1986.

Personal sources:

1. Gessel S.P. <https://prabook.com/web/person-view.html?profileId=1694676> Retrieved 27.04.2019.
2. Vogt D. Personal communications (May 2019) at dvogt@uw.edu
3. Gessel S. Personal communications (May 2019) at sgessel51@gmail.com

SCHMIDT-VOGT, Helmut



Helmut Schmidt-Vogt received the IUFRO Distinguished Service Award in 1988 in recognition of his efforts in organization of research within IUFRO Section 23 Silviculture.

Helmut Schmidt-Vogt was born on 8 January 1918 in Burggrub (Stockheim), Bavaria, Germany. After graduation in 1937 from the Humanistic Gymnasium in Augsburg, he performed Labour Service and served in the German Armed Forces, and was four times severely wounded. He studied Forestry from 1941 to 1945 at the *Ludwig-Maximilians Universität* in Munich (LMU) and graduated with a diploma. At LMU he also obtained a doctoral degree in Economics (1950) and habilitated in 1962. In 1945, he began his career as a candidate for the civil service at the Bavarian State Forestry Administration and served at the same time as Acting Head of the Sachsenried and Denklingen forestry offices. In 1947 he passed the Great Forest State Examination (*Staatsexamen*) and until 1948 worked at the Forest Directorate in Augsburg. He

then worked in the Department of Silviculture and Forest Taxation at the Bavarian State Ministry of Food, Agriculture and Forestry in Munich (1948–1955) and was head of the forestry office Teisendorf (1956–1964). In 1964 Dr. Schmidt-Vogt was appointed as Professor and Director of the *Waldbau Institut* (Chair of Silviculture) at *Albert-Ludwigs-Universität* in Freiburg. He served in this capacity until his retirement in 1986.

His early work was focused on the development of forest plants as a function of genotype and environment, as well as on the assessment of the quality of forest plants. The results of this work became the basis for the development of European Economic Community standards on forest reproductive material. He authored and co-authored 180 articles in professional journals. His major research interests, however, were spruce trees and forests. In collaboration with many other scientists he prepared a fundamental monograph *Die Fichte* (Spruce). The first volume appeared in 1977, and the second volume was published in three parts between 1986 and 1991.

Dr. Schmidt-Vogt was active in IUFRO as a Leader WG Characteristics of Plants Used for Afforestation in Section 23 Silviculture (1961–1967). He was also leader of the study tour on Silvicultural Practices at the XIX IUFRO Congress in Germany (1967). Dr. Schmidt-Vogt's work was recognized with many honours and awards including membership of the Italian Academy of Forest Sciences in Florence (1976), *Universitas Helsingiensis* medal (1976) and the honorary doctorate of the University of Helsinki (1984), Medal of the Finnish Forest Science Society (1979), Medal of the Institute of Forest Sciences Eberswalde (1982), and Honorary Professorship of the University of Santiago del Estero, Argentina (1989).

Professor Helmut Schmidt-Vogt passed away on 29 November 2008 in Merzhausen, Germany.

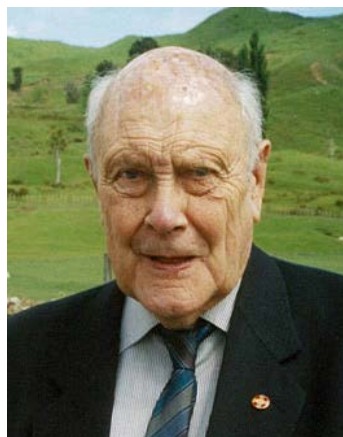
Selected research sources:

1. *Die Gütebeurteilung von Forstpflanzen*. München, Bayerischer Landwirtschaftsverlag. 171 S. [Quality assessment of forest plants]. 1961.
2. *Wachstum und Qualität von Forstpflanzen*. München, Basel, Wien, Bayerischer Landwirtschaftsverlag 209 S. [Growth and Quality of Forest Plants]. 1966.
3. *Characterization of Plant Material*. H. Schmidt-Vogt, ed. Proceedings of IUFRO WG S1.05-04 Meeting, Freiburg im Br., June, 23–26, 1980. Freiburg, Waldbau-Institut, Univ. of Freiburg. 191 p. 1980.
4. *Musik und Wald*. Rombach Verlag KG. 350 S. [Music and Forest]. 2001.

Personal sources:

1. URL: https://de.wikipedia.org/wiki/Helmut_Schmidt-Vogt Retrieved 26.02.2019.
2. Schmidt-Vogt D. Personal communications (June 2019) at dietrich.schmidt-vogt@waldbau.uni-freiburg.de

VAN KRAAYENOORD, Christiaan (Chris) Willem Schmeil



Christiaan Willem Schmeil van Kraayenoord received the IUFRO Distinguished Service Award in 1988 for his long-term contribution to research on poplars within IUFRO Division 2.

Chris van Kraayenoord was born on 18 April 1923 in The Hague, The Netherlands. He obtained a M.Sc. in Forestry at the University of Wageningen (1951) and studied soil erosion in the Mediterranean region. In 1952, he moved to New Zealand, where the Ministry of Works employed him as a Soil Conservator. In 1954 he obtained a Certificate in Soil Conservation from Lincoln College, Canterbury, and was appointed as a Soil Conservator in the Department of Agriculture in Palmerston North. Here he undertook a nation-wide survey of poplars and willows (1956–1958). In 1966 he became a Research Officer in Soil Conservation in the Ministry of Works and Development. From 1970 to 1987 he was the Scientist-in-Charge of the National Plant Materials Centre, Ministry of Works, at Aokautere, Palmerston North. In addition, he was an Honorary Lecturer at Massey University from 1986 to 1987. He retired in 1987.

Mr. van Kraayenoord had many research interests, but he concentrated on sand dune stabilization, soil erosion control, and soil conservation, focusing on the use of poplars and willows. He undertook research on poplar rust and willow pests, such as the willow sawfly. He authored and co-authored some 50 reports and articles in academic journals, and popular farm forestry, tree crop and agricultural science magazines. His knowledge and expertise on poplars meant that Chris van Kraayenoord became widely known in New Zealand as “Mr. Poplar”. This enabled him to establish a National Poplar Commission and he encouraged New Zealand to join the International Poplar Commission (IPC) in 1969. He was a longstanding country representative on the IPC and was a Member of the Executive of the IPC from 1981 to 1988. He established two nurseries including the one at Aokautere where the National Plant Materials Centre was founded in 1970. It later became the National Poplar and Willow Breeding Centre.

Mr. van Kraayenoord was a member of the New Zealand Farm Forestry Association (NZFFA) and a Fellow of the NZ Institute of Agricultural Science (1981). He helped to found the Manawatu Tree Trust (1984), supported its activities until his death, and became the only person to receive its Donald Urquhart Environmental Award (2001). In 2002 he became an Officer of the NZ Order of Merit. Mr. van Kraayenoord was active in IUFRO Division 2 as an Office holder of various research units dealing with poplar research.

Mr. Chris van Kraayenoord died on 21 January 2012 in Palmerston North, New Zealand.

Selected research sources:

1. *Poplar culture*. In: Proceedings, 23rd Northeast Forest Tree Improvement Conference (August 4–7, 1975, New Brunswick, NJ, USA). 1976: 128–142.
2. *Plant materials handbook for soil conservation*. C.W.S. van Kraayenoord, K.M. Pollock and R.L. Hathaway, Eds. Wellington, 1986. Water & Soil Misc. Publications Nos.: 93, 295 pp.; 94, 299 pp.; 95, 66 pp.
3. *Introduced forest trees in New Zealand. Recognition, role and seed source*, 15. The willows *Salix* spp. New Zealand Forest Research Institute. Bulletin 124, 1995. 32 pp. (with B. Slui and F.B. Knowles).

Personal sources:

1. Lambrechtsen N., van Kraayenoord C. Chris van Kraayenoord – ‘Mr Poplar’ enthusiastic extrovert dedicated to wise land management as a national responsibility. Obituary. *NZ J. of Forestry*, May 57(1): 46–48. 2012.
2. Christa van Kraayenoord. Personal communications (July 2019) at c.vankraayenoord@uq.edu.au

RAYCHAUDHURI, Syama Prasad



Syama Prasad Raychaudhuri received the IUFRO Distinguished Service Award in 1989 for his contribution into organizing IUFRO's research on mycoplasma diseases.

Syama Prasad Raychaudhuri was born on 31 December 1915 in Calcutta, India. He earned all his degrees in Calcutta – B.Sc. (1935) at the Presidency College, M.Sc. in Botany (1937) at the University College of Science and Technology, and Ph.D. (1949) from Calcutta University. He began his professional career in 1941 as an Associate in the Division of Mycology and Plant Pathology at the Indian Agricultural Research Institute (IARI) in New Delhi, where he worked on various positions until his retirement. In addition to his research, Dr. Raychaudhuri was appointed as Professor in Plant Pathology (1961) and Head of the Division of Mycology and Plant Pathology, IARI (1965). He was a Fulbright Scholar at the Rockefeller Institute for Medical Research in New York (1950–1952) and Visiting Professor at Rutgers University, USA (1964 and 1977), Advisor to Haryana Agricultural University, Hissar (1976), Distinguished Professor in Japan (1976) and Canada (1984), and Richard Merton Professor in Germany (1974 and 1978).

Professor Raychaudhuri focused his research in the field of mycology, plant pathology, virus diseases of cereals pulses, fruits, vegetables, plantation crops, ornamentals, seed pathology and tissue culture. He published more than 13 books, 325 papers and guided the research of 73 Ph.D. and M.Sc. students. For a long time, he served as an Editor of *International Journal of Tropical Plant Diseases* and *Review of Tropical Plant Pathology* following their establishment in early 1980s, as well as a member of the advisory boards of *Plant Diseases* (Academic Press) and *Plant Protection* (UK). Professor Raychaudhuri was a Fellow of the Indian Phytopathological Society (President of IPC in 1967), the Indian National Science Academy (INSA), the National Academy of Sciences, India (NASI), the American Phytopathological Society, an Honorary Fellow of the Indian Mycological Society (IMS), a recipient of the Rafi Ahmed Kidwai Award and many other honours. He was the first Treasurer of the International Society of Plant Pathology (ISPP), Chairman of its Citrus Dieback Committee, and Chairman of two International Symposia in Delhi in 1966 and 1972. He was a founder of and President of the Indian Virological Society (IVS). He served as President of the Society for the Advancement of Botany, NASI's Biological Branch, Agricultural Sciences Section of the Indian Science Congress, and the IMC.

Professor Raychaudhuri was an IUFRO Corresponding Member from India, established (1976), ran as a Coordinator of IUFRO unit S2.06.09 Mycoplasma Diseases, and organized two IUFRO International conferences on Mycoplasma Diseases in Bangalore (1977) and Munich, (1978).

Professor S.P. Raychaudhuri passed away on 9 August 2005, at the age of 89. In his memory, the Shyama Prasad Raychaudhuri Lifetime Achievement Award of IVS, and Prof. S.P. Raychaudhuri Memorial Lecture Series at the IPS were established.

Selected research sources:

1. A manual of virus diseases of tropical plants. Macmillan Co. of India, 1977. 299 p.
2. Mycoplasma Diseases of Crops: Basic and Applied Aspects. K. Maramorosch and S.P. Raychaudhuri eds. Springer-Verlag, 2011. 456 p. (1st edition 1988).
3. Biotechnology and Plant Protection in Forestry Science. S.P. Raychaudhuri and K. Maramorosch, eds. Science Pub Inc., 1999. 250 p.

Personal sources:

URL: <http://ipsdis.org/gallery/view/34484> Retrieved 20.07.2019.

KOMAC (AMBROŽIČ), Polona



Polona Komac received the IUFRO Distinguished Service Award in 1990 for her excellent work as Administrative Assistant to the IUFRO President's Office and active role in preparation of the Congress in Ljubljana, Yugoslavia (1986).

Polona Komac (ex Ambrožič) was born on 24 August 1953 in Postojna, Slovenia (then Yugoslavia). She received a M.A. in English Language and Literature and Italian Language and Literature from Ljubljana University (1981). Her professional expertise spans over three main areas. In the first, she was a full-time journalist for the magazine *Jana*, and daily *Delo* (1979–1981). In the area of Teaching English As A Foreign Language, she worked as Director of Studies of the English Department, The Ljubljana Centre for Foreign Languages (1988–1989), Founder, CEO and Director of Studies, The P.A.K. Language School, Ljubljana (1990–2000), and Director of the British Council English Studies Resource Centre in Ljubljana (1992–1993). In addition, she was a teacher of English for the 3rd and 4th year students at the Forestry Department (1983–1987) and for the 1st and 2nd year students at the Wood Products Department, Biotechnical Faculty, Ljubljana University (1984–1990). In the area of cultural heritage, Polona Komac served as the Assistant Director Human Resources of the Institute for the Protection of Cultural Heritage of Slovenia (2000–2005). From 2005 until her retirement in 2017, she has served as a Founder and CEO of the Gojmir Anton Kos Foundation, a foundation set up in memory of the great Slovene artist to look after and protect his splendid artistic opus and preserve Slovene cultural heritage.

When Prof. Dr. Dušan Mlinšek was elected IUFRO President and Yugoslavia the host of the 18th IUFRO World Congress (1981), Polona Komac was hired as Administrative Assistant to the IUFRO President (1982–1987) because of her work experience and knowledge of languages. She helped organize and run the President's Office, edit IUFRO News and prepare for the IUFRO World Congress in Yugoslavia. Her love and respect for nature, ability to speak foreign languages and journalistic experience contributed to the outlook and contents of IUFRO News at that time. She was also a contributing factor to the success of the IUFRO Enlarged Executive Board meeting in Ljubljana (1982) and IUFRO World Congress in Ljubljana (1986).

She contributed to the preparation of Brochures 1 and 2 for the 18th IUFRO World Congress, translations, technical and topic co-ordination between Vienna, Washington and Ljubljana (1985–1986), and translated into English over 200 scientific and professional articles for IUFRO, the Biotechnical Faculty, Forestry Department, Wood Products Department, and the Slovene Academy of Science, Ljubljana, as well as over 100 articles for IUFRO and IUFRO News, Vienna (1982–1987). With Dr. Brian Payne, she designed the official IUFRO presentation poster for the 1986 IUFRO World Congress.

Selected research sources:

1. *Timber: an English course book for students of forestry*. Biotehniška fakulteta, Oddelek za gozdarstvo 199 p. 1985.
2. 18th IUFRO World Congress Report for Unasylva – FAO – A 16 page supplement on the 18th IUFRO World Congress for FAO of the United Nations. *Unasylva* Vol. 39, No. 155, 1ZZZ. 1987.
3. *English–Slovene and Serbo–Croat Dictionary of Everyday Terms*. IUFRO, Ljubljana, 1986.

Personal sources:

Komac P. Personal communications (May 2019) at polona.komac@gmail.com

MATERNA, Jan



Jan Materna received the IUFRO Distinguished Service Award in 1990 for his research into the effects of air pollution on forest ecosystems, coordinating efforts within the IUFRO subject group Air pollution, and implementation research results into forest practice as well as setting air pollution standards for the protection of forests.

Jan Materna was born on 23 October 1924 in Prague, Czechoslovakia. He graduated with a Forest Diploma Engineer (1948) and obtained his Ph.D. (1961) from the Forest Faculty of the Czech Technical University in Prague. He began his professional career as a specialist in forest inventory and timber cruising at the Forest Planning and Project Design Unit “*Lesproject*” in Plzeň. He then worked as a Researcher at the Department of Forest Biochemistry (1952) and Department of Forest Environment (1958) of *Výzkumný ústav lesního hospodářství a myslivosti* (VÚLHM, now Forestry and Game Management Research Institute, FGMRI) under the Ministry of Agriculture in Zbraslav.

From 1963 to 1971 Dr. Materna was the FGMRI’s Deputy Director for Research. He was consecutively appointed as Head of the Laboratory of Physiology and Nutrition of Forest Trees (1968), and Head of the Department of Physiology and Radiobiology (1976), Forest Ecology (1980), and Ecological Monitoring (1986–1990). In 1990–1993, he served as a Scientific Officer of Ecological Monitoring. Between 1994 and 2004 he led a group surveying the nutrition of soils and forest stands in the Central Institute for Supervising and testing in Agriculture in Brno (ÚKZUZ Brno).

Dr. Materna’s major research interests were in the field of air pollution impact on forest stands, nutrition of forest trees, forest soils and revitalization measures, forest physiology, and monitoring forest health. During his 40 years of activities in the FGMRI, he authored and co-authored 117 articles in various national and international scientific and professional journals, 31 research reports, 19 contributions to national and international conference proceedings, and 5 books.

Dr. Materna was highly engaged in the international arena. In the 1970s and 1980s, he was leader of the IUFRO research unit S2.09 Air Pollution. In Czechoslovakia, he organized and held several high-level international professional events under the auspice of IUFRO.

Selected research sources:

1. *Direct Effects of Sulfur on Forests in Europe – A Regional Model of Risk*. IIASA Working Paper. WP-87-057. April. xi, 38 p. (with A. Mäkelä and W. Schöpp). 1987.
2. Air pollution and forestry in Czechoslovakia. *Envir. Monitoring and Assessment* 12(3): 227–235. 1989.
3. *First results of the survey of soil surface layers in the forest in ČR (1993–1999)*. ÚKZUZ Brno. 98 p.
4. *SO₂ – pollution and forests decline in the Ore Mountains*. B. Lomský, J. Materna and H. Pfanž, eds. Jíloviště, Czech Republic, FGMRI. 342 p., ill. 2002.
5. *Results of mineral nutrition survey in the Czech Forest*. ÚKZUZ Brno. 125 p. 2003.

Personal sources:

1. Congratulations to Ing. Jan Materna, CSc www.vulhm.cz/sites/File/Informatika/Materna.pdf Retrieved 10.04.2019.
2. Materna J. Personal communications (May 2019) at jan.materna@post.cz

PAYNE, Brian R.



Brian Payne received the IUFRO Distinguished Service Award in 1990 for his role as assistant to the IUFRO Vice President's Office, and for helping organize the subject matter program for the World Congress in Ljubljana, Yugoslavia (1986).

Brian Payne was born 7 October 1939, in Portland, Oregon, USA. He received his B.Sc. in Forestry (1961) from the University of California, Berkeley, M.F. in Forestry (1962) with a major in Forest Economics from Duke University, and Ph.D. in Agricultural Economics (1969) from his *alma mater* in Berkeley, California. After receiving his Master's degree, Dr. Payne began his 38-year career with the U.S. Forest Service in Portland, Oregon, undertaking research on the economics of reforestation, tree improvement, timber harvest scheduling, and timber access road scheduling. From 1968 to 1970, he helped initiate a pre-forestry curriculum at Tuskegee Institute in Alabama to open natural resources career opportunities for minority students. The USDA awarded him with its Superior Service award for this in 1971.

Dr. Payne was appointed as Forest Economist and then project leader of a multidisciplinary urban forestry research unit at Amherst, MA (1970–1976). Research included the contribution of trees to residential property values, economic values associated with human enjoyment of nongame birds, affective values of outdoor recreation, and the second-home recreation market in the northeastern U.S. He published some 40 research papers, reports, and educational materials.

In 1977, Dr. Payne shifted his focus from personal research to research administration, becoming program manager of the Pinchot Institute of Environmental Forestry Studies, a consortium of nine universities and three Forest Service research units. From 1979 to 1982, he was seconded to the UNESCO "Man and the Biosphere" Programme in Paris, assisting forestry research in tropical developing countries. As a member of the International Forestry staff in the USFS Office in Washington, DC (1982–1986), Dr. Payne served as assistant to the USFS Deputy Chief for Research R. Buckman in his role as IUFRO Vice President.

Dr. Payne worked with IUFRO's Division Coordinators to help organize the program for the Congress in Ljubljana (1986). He helped secure funding from the UNDP and the WB to establish the IUFRO Special Programme for Developing Countries (IUFRO–SPDC), and he participated in the selection of Oscar Fugalli as its founding coordinator. He continued support to IUFRO President Buckman after 1986, and he helped organize the USFS participation in the Congress in Montreal (1990). From 1993 to 1996, Dr. Payne was seconded to the IUFRO Secretariat in Vienna to serve as the third IUFRO–SPDC Coordinator. He obtained funding to support training courses and participation by disadvantaged and developing country scientists in meetings around the world, including the Congress in Tampere (1995). He completed his Forest Service career in Washington DC as administrator for outdoor recreation, social science, and wilderness research. In 1986, he was elected an SAF Fellow.

Selected research sources:

1. Black foresters needed: a professional concern. *J. of For.*, May 69(5): 295–298. (with D. R. Theoe). 1971.
2. *Accelerated Roadbuilding on the North Umpqua: An Economic Analysis*. U.S. Forest Service Research paper PNW-137. Portland, Oregon. 32 p. 1972.
3. The twenty-nine tree home improvement plan. *Natural History*, November 82(9): 74–75. 1973.

Personal sources:

Payne B.R. Personal communications (May 2019) at bpayne@alum.calberkeley.org

RILEY, Lorne Firth



Lorne Firth Riley received the IUFRO Distinguished Service Award in 1990 for his outstanding contribution to the XIX IUFRO World Congress as COC Chair.

Lorne Riley was born on 24 January 1939 in Toronto, Ontario, Canada. He earned his B.Sc. in Forestry (1962) at the University of Toronto. His first employment following graduation was with *Mo och Domsjö AB* (1962–1963) (since 2000 – Holmen Aktiebolag), in Ångermanland, Sweden. He began his career in Canada in 1963 as a Management Unit Forester with the Ontario Department of Lands and Forests. On moving to the Canadian Forest Service (CFS) in Sault Ste. Marie, Ontario (1968) he progressed from his starting position as Forestry Officer to Head, Liaison and Development (1972), to Head, National Mechanization of Silviculture Program (1975), to Program Director, Environmental Forestry Research (1980). In 1993, he was appointed Coordinator of the Canadian Criteria and Indicators (C&I) Initiative and served as a member of the Canadian team to the Montreal C&I

Process (1993–1995). During 1995–2006, he engaged in private practice as an environmental forestry consultant. From 1998, he has served as Executive Director of the Canadian Forestry Accreditation Board. He was a practicing member (Registered Professional Forester, R.P.F.) of the Ontario Professional Foresters Association for some 40 years and continues as a non-practicing Life Member.

Mr. Riley has authored and co-authored numerous research and technical papers on mechanized silviculture, aerial seeding and thinning/spacing research in peer-reviewed print media and given presentations at numerous technical fora, nationally and internationally. Although no longer serving, he has been a member of the editorial board of the *International Journal of Forest Engineering* and *Forestry Abstracts*. Mr. Riley has served in numerous leading positions at the national and provincial levels. He has been a member of the Canadian Institute of Forestry for more than 50 years during which time he served as Annual Meeting Organizing Committee Chair (1975) and as Chair and Director of the CIF's Central Ontario Section. He was Chair of the Canadian Federation of Professional Foresters Associations and was the founding Chair of the Canadian Forestry Accreditation Board. At the provincial level, he contributed to the Ontario Professional Foresters Association as President and Councillor and as Chair of several Committees. He has served as a Chair and Director of the Ontario Professional Forestry Foundation and as a Director of the Ontario Forestry Association. The Ontario Professional Foresters Association has recognized Mr. Riley with its Honoured Professional Forester Award, and the Canadian Institute of Forestry honoured him with a Tree of Life Award.

In 1988, Mr. Riley was appointed Organizing Committee Chair for the XIX IUFRO World Congress (Montreal, Québec, 1990) and then served as Coordinator of IUFRO–SPDC in Vienna, Austria (1991–1993). Besides these, Mr. Riley was involved in the work of IUFRO as a member of IUFRO EEB and Division 3, including as Deputy Coordinator.

Selected research sources:

1. Assessment of site preparation and its effect on aerial seeding success. In: *Canadian Forest Service Symposium Proceedings O–P–3, Mechanization of Silviculture in Northern Ontario*, pp. 18–23. 1975.
2. Some aspects of research methods applied to stand establishment operations in the Province of Ontario, Canada. In: *Operational Methods in the Establishment and Treatment of Stands* (3–8 September 1979, Moscow and Riga, Soviet Union). IUFRO Subject Group S3.02-00. Moscow, pp. 151–168. 1980.

Personal sources:

Riley L. Personal communications (May–June 2019) at lorne.riley@sympatico.ca

SZIKLAI, Oscar



Oscar Sziklai received the IUFRO Distinguished Service Award in 1990 for his long-term service as a leader of the IUFRO unit on Douglas fir improvement.

Oscar Sziklai was born on 30 October 1924 in Repashuta, Hungary. He grew up nearby Eger, and graduated as Forest Engineer from the Sopron Forestry School in 1946. In 1951 he began his teaching career there, becoming the assistant to Professor Gyula Roth, former IUFRO president, specializing in tree breeding and seed technology. In 1956, he moved to Austria, and in 1957 – to British Columbia, Canada. In 1959, he started his postgraduate studies at the Faculty of Forestry, University of British Columbia and obtained his M.Sc. in Forestry (1961) and Ph.D. in Forest Genetics (1964). Dr. Sziklai began his academic career by teaching forest genetics and related courses at the University of British Columbia, became full Professor there (1971), served as Head of the UBC Forest Sciences Department (1982–1985), and retired as UBC Professor Emeritus (1990). He served twice on the

UBC Senate (1978–1981 and 1983–1984). He was insistent that forest genetics must be included in the forestry undergraduate curriculum as a core course.

Dr. Sziklai's research interests have concentrated in the field of forest genetics, quantitative genetic variation, allozyme polymorphism, nuclear characteristics, reproductive phenology and tree improvement of different forest tree species, especially Douglas fir. His expertise and research achievements brought him recognition and opportunity to build a wide international network, with projects in many European countries, Egypt and China, which he visited about 20 times. In 1985, he became an Honorary Member of the Chinese Society of Forestry, and in 1990 – Honorary Doctor of Sopron University. He was also active in British Columbia, serving as a lifetime member and chair of several professional associations such as the Canadian Institute of Forestry, the Committee on Forest Tree Breeding in Canada, the Western Forest Tree Seed Council, the Western Forest Genetics Society of Canada, and the Northwest Science Association.

Dr. Oscar Sziklai served in IUFRO in various capacities. He led the working party on Douglas fir improvement (1983–1990) and was an organizer and chair of numerous meetings on the subject. He participated in the IUFRO World Congresses in Ljubljana (1986) and Montreal (1990).

During one of his frequent visits to the country, Dr. Oscar Sziklai passed away suddenly on 18 September 1998 in Sopron, Hungary, at the age of 73.

Selected research sources:

1. A Review of Forest Tree Seed Certification. *The Forestry Chronicle*, 45(6): 378–385. (with B.S.P. Wang) 1969.
2. Intraspecific variation in nuclear characteristics of Douglas-fir. *Advancing Frontiers of Plant Science* 28: 363–378. (with M.H. El-Lakany). 1971.
3. *Erdészeti növénynevelés*. Mezőgazdasági Kiadó, Budapest. 316 p. [Forest Tree Improvement. Agricultural Publisher]. (with K. Tompa). 1981.
4. Forest tending in Hungary. *The Forestry Chronicle* 70(3): 279–281. 1994.

Personal sources:

1. Mátyás C. In memoriam Oscar Sziklai (1924–1998). *Forest Genetics* 6(1): 59. 1999.
2. Mátyás C., Kennedy B. Obituary: Oscar Sziklai (1924–1998). *The Forestry Chronicle* 75(1): 159. 1999.
3. Sziklai S. Personal communications (May 2019) at mars2263@shaw.ca

VIDAKOVIĆ, Mirko



Mirko Vidaković received the IUFRO Distinguished Service Award in 1990 for his outstanding long-term active work and promotion of IUFRO.

Mirko Vidaković was born on 29 October 1924 in Lemeš, Bačka (now Svetozar Miletić) near Sombor, former Yugoslavia. He graduated as a Forestry Engineer (1949) from the University of Zagreb, worked as an Assistant at the Department of Botany (1949–1950) and obtained his Ph.D. in Botany and Dendrology (1953). As a post-doctoral student, he spent 10 months in Denmark and Sweden (1955/1956). He was habilitated (1956), elected an Associate Professor (Docent) in 1957, and Professor of Dendrology and Forest Genetics in 1961. Professor Vidaković served as Head of the Department of Forestry, Genetics and Dendrology (1960–1990), and Dean of the Faculty of Forestry (1972–1973 and 1973–1974). In 1960–1974, he led the Department of Genetics at the Yugoslavian Institute for Genetics of Conifers in Jastrebarsko, and since 1970, he was also the Head of the arboretum in Tršteno, Yugoslavian Academy of Sciences and Arts (JAZU, then Croatian Academy of Sciences and Arts – HAZU). In 1996, he became a co-founder of the first clonal seed orchard of pedunculate oak in Croatia.

Professor Vidaković's research interests were in the field of botany, dendrology, forestry genetics, and tree improvement. He founded and developed forest genetics research at the University of Zagreb, being a long time leader in this field in former Yugoslavia, Europe and overseas. He authored and co-authored 158 scientific publications. From 1970, Professor Vidaković was an Editor of the HAZU magazine *Anali za šumarstvo (Annales forestales)*. In 1981, he became a Member of JAZU (outstanding member in 1969–1980), being elected Chair of its Scientific Council for Agriculture and Forestry. He served as President of the Croatian Genetic Society (1980), and in 1997 became a Member of the Croatian Academy of Forestry.

Professor Vidaković was invited by UNDP and FAO to work in Pakistan (1966–1969), Hungary (1971), and Vietnam (1979, 1983). He lectured in the USA, Canada, England, France, Greece, and Turkey, and made numerous presentations at national and international fora. Nationally, he presented at the Symposium dedicated to 100 years of scientific and organized forestry in Southeast Slavonia (1974), the first congress of the Yugoslavian genetics (1976), the first (1981) and other congresses of Croatian biologists, and many others. Internationally, he presented at the first (1963) and the second (1969) World Consultations on forest genetics and forest tree breeding, a Session of the International Poplar Commission (1971), the World Forestry Congress (1978) and others. From the 1960s, he actively worked in IUFRO Section 22 Forest Plants, and organized the Section's meeting in Zagreb (1965). He participated in three IUFRO World Congresses (1967, 1986, and 1990).

Professor Mirko Vidaković passed away in Zagreb on 15 August 2002, at the age of 77.

Selected research sources:

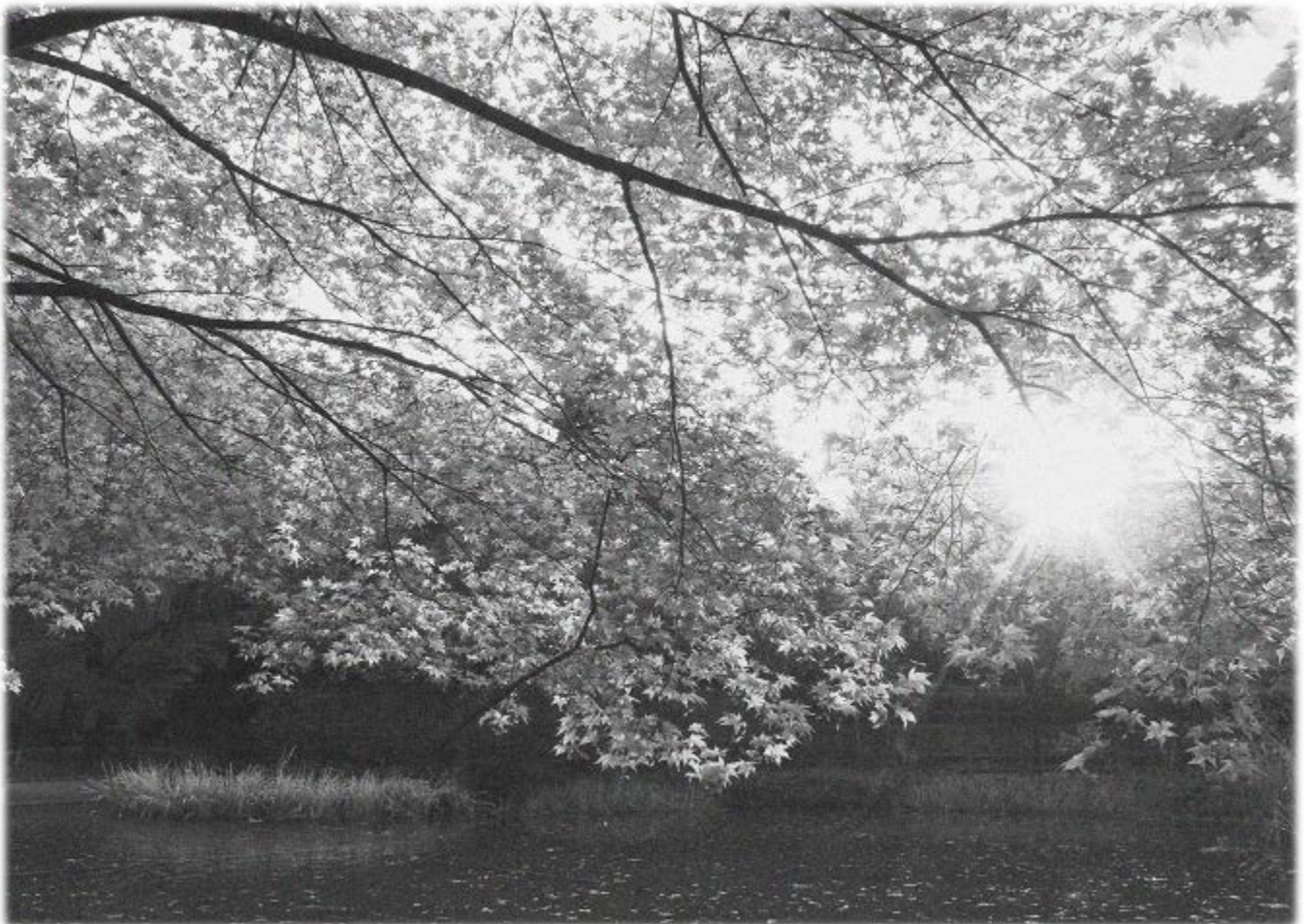
1. *Četinjače: morfologija i varijabilnost*. JAZU. 710 p. [Conifers: Morphology and Variation]. 1982. (English edition. 754 p. 1991.)
2. *Genetika i oplemenjivanje šumskog drveća*. Univ. of Zagreb. 505 p. (with A. Krstinić). [Genetics and Breeding of Forest Trees]. 1985.
3. *Golosjemenjače*. Univ. of Zagreb. 823 p. (with J. Franjić, I.). [Gymnosperms]. 2004.

Personal sources:

1. Kajba D. In memoriam. *Šumarski List* 9–10: 544. 2002.
2. URL: <https://www.sumari.hr/sumari/kart.asp?id=11947> Retrieved 14.04.2019.
3. Kajba D. Personal communications (April 2019) at davorin.kajba@zg.htnet.hr Photo.

1991 – 1994

<i>Helge V. BRYNDUM</i>	<i>Denmark</i>	<i>1991</i>
<i>Hannes (Johann) MAYER</i>	<i>Austria</i>	<i>1991</i>
<i>Philip G. ADLARD</i>	<i>UK</i>	<i>1992</i>
<i>Werner BALTENSWEILER</i>	<i>Switzerland</i>	<i>1992</i>
<i>Otmar BEIN</i>	<i>Austria</i>	<i>1992</i>
<i>Alan G. BROWN</i>	<i>Australia</i>	<i>1992</i>
<i>Alan M. FLETCHER</i>	<i>UK</i>	<i>1992</i>
<i>Oscar FUGALLI</i>	<i>Italy</i>	<i>1992</i>
<i>Hans-Friedrich JOACHIM</i>	<i>Germany</i>	<i>1992</i>
<i>Aarne O. NYSSÖNEN</i>	<i>Finland</i>	<i>1992</i>
<i>Heinrich R. RUBNER</i>	<i>Germany</i>	<i>1992</i>
<i>Lars K. STRAND</i>	<i>Norway</i>	<i>1992</i>



BRYNDUM, Helge Valdemar



Helge Valdemar Bryndum received the IUFRO Distinguished Service Award in 1991 for his leadership and organization of IUFRO research on Norway spruce thinning experiments.

Helge Bryndum was born on 10 July 1925 in Ullits Sogn, Vesthimmerland, Denmark. He obtained his high school Diploma (1942) and, in 1952, a M.Sc. in Forestry from *Landbohøjskolen* (Royal Veterinary and Agricultural University, now – Faculty of Science, University of Copenhagen).

In 1953, he started his professional career as an Assistant at the College of Land Surveying and was then employed by the Wood Industry Research Institute in Allerød. He was later appointed as a team leader at the Swedish National Forest Inventory, as well as a Scientific Assistant (1954), Acting Head (1958) and Head of the Department of Forest Mensuration (1972) at the Danish Forest Experiment Station, Springforbi. In parallel to his research and administration, from 1968 he served as a Censor at the Forestry Exam at *Landbohøjskolen*.

Mr. Bryndum's research focused on silviculture, studies of hardwood planting and treatment, especially long-term experiments on beech and oak thinning, forest regeneration, forest assessment and other topics. He authored and co-authored numerous scientific papers, book chapters, books, and research and technical reports.

He was Chairman of the Nordic cooperation group for production research (1979–1981) and was team leader for the project on the production possibilities of trees at different planting sites (1981–1985).

He received the Heinrich-Christian-Burckhardt Medal (1987) from the Forestry Faculty of the Georg August University of Göttingen for services to forest science and their practical applications.

Mr. Bryndum was active in IUFRO for a long time, especially in the WG Norway Spruce Thinning Experiments, and served as its Coordinator (1981–1990).

Mr. Helge Bryndum passed away on 6 November 1992 in Denmark.

Selected research sources:

1. Et udhugningsforsøg i ung eg. *Statens Forstlige Forsøgsvæsen*, Danm., København, Vol. 29: 173–243. [A thinning experiment in young oak stands]. 1965.
2. *Hugstforsøg i ung rødgran på leret morænejord*. Statens Forstlige Forsøgsvæsen, Danm., København, Vol. 36. 180 p. [Harvesting experiment in young spruce on clay moraine soil]. 1978.
3. *Bøgehugstforsøget i Totterup skov*. Statens Forstlige Forsøgsvæsen, Danm., København, Vol. 38. 76 p. [The beech harvesting experiment in Totterup forest]. 1980.
4. *Anlæg af blandskovforsøg med bøg/rødgran*. Sønderborg statskovdistrikt, Nørreskov afd. 50. SFF–Anlægsrapport Nr. 378 – Forsøgsnr. 1273. 10 p. [Planting mixed forests of beech and red spruce]. 1982.
5. Buchendurchforstungsversuche in Dänemark. *Allgem. Forst- und Jagdzeitung* 158(7/8): 115–125. [Beech thinning experiments in Denmark]. 1987.

Personal resources:

1. Bryndum, Helge Valdemar. In: Svend Balslev (red.) 1997: *Danske Forstkandidater 1897–1996*. Danske Forstkandidaters Forening. 255 p., ill. Photo. 1997.
2. Koch N. E. Personal communications (February–August 2019) at nek@trap.dk

MAYER, Hannes (Johann)



Hannes Mayer received the IUFRO Distinguished Service Award in 1991 for his contributions to the organizational advancements of IUFRO Division 1 research on geo-botany, forest ecosystems, and mountain forestry.

Hannes Mayer was born on 25 January 1922 in Altötting, Upper Bavaria, Germany. From 1945, he studied forest sciences at the State Economic Faculty of the University of Munich, where he received a Diploma in Forestry (1949), Doctorate degree (*Dr. oec. publ.*) in State Economics (1951), and was habilitated (1961). In 1949 he began his professional career as Forestry Trainee at the Bavarian State Forestry Administration, and in 1952 he became a Researcher at the *Institut für Waldbau, Bayerische Forschungsanstalt München* (Institute of Silviculture, Bavarian Research Institute in Munich). In 1958/1959 he received a scholarship from the German Research Foundation, after which he was appointed as a Forester at the Bavarian Forestry Office in Sonthofen / Allgäu (1959–1963).

In 1961, Dr. Mayer began teaching as a Lecturer and Conservator (1963–1965) at the Forestry Institute, University of Munich. In 1965 he was invited to be a Professor of Silviculture at the College of Agricultural Sciences, University of Natural Resources and Life Sciences (BOKU) in Vienna, a post that he held until his retirement in 1990. For a quarter of century, he led the BOKU Institute of Silviculture (1965–1990), forming the ecological vision for mountain forestry among an entire generation of Austrian foresters. His wide scope of research enabled him to publish numerous research papers and more than a dozen of books, based on his own research in forests throughout and beyond Europe.

Dr. Mayer was Chairman of the Association for Forest Site and Vegetation Science (1964–1967), a corresponding member of the Italian Academy of Forest Sciences in Florence (1976) and of the Austrian Academy of Sciences in Vienna (1984). His achievements were recognized with several honours and awards including Honorary Doctorate (*Dr.h.c.forest*) by the University of Istanbul, Turkey (1985); Konrad Lorenz Prize for Environmental Protection, Austria (1986); and the Sophie and Karl Binding Award for Nature and Environmental Protection by the Binding Foundation, Liechtenstein (1987), to name just a few. Dr. Mayer was active in IUFRO from 1967, serving as a Coordinator of working groups on Mountain Forestry (1967–1971), Ecosystems (1972–1980), and Primeval Forests (1981–1990).

Professor Hannes (Johann) Mayer passed away on 23 April 2001 in Vienna, Austria.

Selected research sources:

1. *Gebirgswaldbau – Schutzwaldpflege. Ein waldbaulicher Beitrag zur Landschaftsökologie und zum Umweltschutz.* Stuttgart, G. Fischer Verlag. 435 S. [Mountain forestry – protective forest care. A silvicultural contribution to landscape ecology and environmental protection]. 1976. 2nd edition, 1992.
2. *Waldbau: auf soziologisch-ökologischer Grundlage.* 4. Auf., Stuttgart, Gustav Fischer Verlag, 539 S. [Silviculture on sociological-ecological basis (1st edition 1977)]. 1992.
3. *Wälder Europas.* Stuttgart; New York: Fischer. xxxix, 691 S.: ill-s, map. [Forests of Europe]. 1984.
4. *Osttiroler Gebirgswaldbau. Waldbauliche Schlußfolgerungen aus den Hochwasserkatastrophen 1965 und 1966.* Institut für Waldbau, BOKU. vi, 669 S. [East Tyrolean mountain forestry. Silvicultural conclusions from the flood disasters of 1965 and 1966]. 1988.

Personal sources:

1. Schmidt-Vogt H. Professor Hannes Mayer 65 Jahre alt. *Allgemeine Forstzeitschrift (Germany, F.R.)* 42(1–2): 28. [Professor Hannes Mayer 65 years old]. 1987.
2. URL: http://deutsches-jagd-lexikon.de/index.php?title=Mayer,_Hannes Retrieved 04.07.2019.
3. Mayer J. Personal communications (October 2019) at johannes.mayer@umweltbundesamt.at

ADLARD, Philip Gervase



Philip Gervase Adlard received the IUFRO Distinguished Service Award in 1992 in recognition of his substantial contributions to furthering the scientific, technical, and organizational aims of IUFRO.

Philip Adlard was born on 1 October 1926 in Madras, India. After finishing at St. Edwards, Oxford, he spent his National Service in the Royal Navy (1945–1947). He then studied botany, graduated from Exeter College, Oxford University (1952), and worked as a probationer of the Colonial Forest Service in Nyasaland (now Malawi). He devoted much of his energy to the foundation of the Forest Research Institute of Malawi in Chongoni. After graduating in Forestry from the University of Oxford (1957), he continued his professional career as Assistant Conservator of Forests, working in many regions of the country. Mr. Adlard was then appointed as a Scientific Information Officer in the Commonwealth Forestry Bureau of the Commonwealth Forestry Institute (CFI) at Oxford and dedicated a substantial part of his career to abstracting the world's forestry literature for *Forestry Abstracts* and *Forest Products Abstracts*. At the beginning of 1968, he was invited to work in the Computing Section of the Institute where he served until his retirement in mid-1991, including a three-year break when he worked at the Department of Botany, University of Mexico (1979–1982) on the reproduction and growth of natural pine forests.

Mr. Adlard's research interests were in the growth and yield of fast-growing plantation species, the effects of different management regimes and developing an empirical competition model for single trees, as well as determining the relationship between fast-growing species and lasting site productivity. He studied the water uptake of eucalypts in India, made assessments of highland conifers in East Africa and Malawi, established an ample system of permanent sample plots, and shared his knowledge and experience with students during the regular summer courses provided by the Institute.

He authored, co-authored and edited over 100 papers and technical reports. The UN FAO and the UK Overseas Development Administration invited Mr. Adlard as an expert, advisor or consultant to various projects on inventories and assessments of forests and forestry in Belize, Honduras, Malawi, Malaysia, Nigeria, Sudan and other countries. He also served on the General Council and the Editorial Committee of the Commonwealth Forestry Association and in the early 1980s was its Treasurer for a few years. Mr. Adlard was very active in IUFRO, helping to organize WGs and participating in many conferences, workshops and symposia.

Mr. Philip Adlard passed away on 28 December 2006 in Cheltenham, Gloucestershire, UK, at the age of 80.

Selected research sources:

1. *Growing stock levels and productivity conclusions from thinning and spacing trials in young Pinus patula stands in southern Tanzania*. Occasional paper #8. Oxford: Commonwealth Forestry Institute. 17 p. 1980.
2. *Biomass Estimation, Nutrient Cycling and Organic Matter Relations in Forest Stands: Annotated Bibliography*. Oxford: Commonwealth Forestry Institute. 148 p. (with J. A. Johnson). 1983.
3. *Growth and Water Use of Forest Plantations*. L.R. Calder, R.L. Hall, P.G. Adlard, eds. J. Wiley&Sons. 381 p. 1992.
4. Myth and Reality in Growth Estimation. *F. Ecol. and Mgmt.* 71: 171–176. 1995.

Personal sources:

1. Wright H., J. Burley and P. Hardcastle. Philip Gervase ADLARD (1926–2006). Obituary. *International Forestry Review* 9(3): 816–817. 2007.
2. Adlard S. Personal communications (April 2019) at sueadlard@rocketmail.com

BALTENSWEILER, Werner



Werner Baltensweiler received the IUFRO Distinguished Service Award in 1992 for his outstanding contributions to IUFRO Division 2 developments and especially for entomology research.

Werner Baltensweiler was born on 28 November 1926 in Mollis, canton of Glarus, Switzerland. From 1946, he studied Forestry at the *Eidgenössische Technische Hochschule* (ETH, Swiss Institute of Technology) in Zürich, and obtained his Forest Engineering degree in 1951. He has participated in forest inventories carried out in the Rocky Mountains and researched the regeneration of lodgepole pine from slash with the Canadian Federal Forest Service in Calgary (1952–1954). He studied the complex of the larch bud moth parasitoids and earned his PhD in Natural Sciences at the ETH's Institute of Entomology (1958), where he lectured on insect ecology from 1958 until his retirement from ETH in 1991. Meanwhile, he continued his fieldwork and publications. In parallel, he managed research on the larch bud moth at the field station at Zuoz, in the Swiss canton of Graubünden (1958–1991).

Dr. Baltensweiler's primary research interest was in a single insect species, the larch budmoth (*Zieraphera diniana*), one of the major defoliators in the European Alps. He also worked on the population dynamics of this pest and its sampling and was a pioneer in the application of statistical techniques to analyze population cycles. He published many research papers in leading scientific journals and actively participated in and played an important role in facilitating and fostering the collaboration of European and North American entomologists as well as establishing good working relations with scientists from the Eastern bloc countries.

Dr. Baltensweiler first participated in a IUFRO WP meeting in Ljubljana (1963), and in 1967 he became a co-founder of IUFRO's first unit focusing on forest insects "Population Dynamics of Forest Insects", in which he has served as a Secretary under the chairmanship of Professor G. Varley from Oxford. He then served as Deputy Leader of WG S2.07.06 (1976–1981) and Leader of SG S2.07.00 (1982–1985). He was Deputy Coordinator of Division 2 Forest Plants and Forest Protection (1986–1990), and Chairman of the IUFRO TF on Air Pollution (1987–1990). At the IUFRO working group meeting in Vienna (2007), Dr. Baltensweiler became the first scientist to receive a George Varley Award for outstanding achievements in forest insect population ecology.

Dr. Werner Baltensweiler passed away on 7 December 2008 in Männedorf, a village by the Lake of Zurich.

Selected research sources:

1. *Zeiraphera griseana* HÜBNER (Lepidoptera: Tortricidae) in the European Alps. A contribution to the problem of cycles. *Can. Entomol.* 96: 792–800. 1964.
2. Dynamics of larch bud moth populations. *Annual Review of Entomology* 22: 79–100. (with G. Benz, P. Bovey and V. Delucchi). 1977.
3. The impact of weather on the life system larch–larch bud moth in the European Alps. In: A.S. Isaev, ed., *The role of insect–plant relationship in the population dynamics of forest pests* (Proc. Symp. IUFRO/MAB, Irkutsk 1981), pp. 73–83. 1983.

Personal sources:

1. Liebhold A. Special Edition: Obituary Werner Baltensweiler, 1926–2008. *Special Newsletter: IUFRO Research Group 7.03.00 Entomology*. 2 p. December 2008.
2. Wermelinger B. Zum Tod von Dr. Werner Baltensweiler. *J. Swiss Ent. Soc.* 82(1–2): I–II. 2009.
3. Baltensweiler A. Personal communications (June 2019) at andri.baltensweiler@wsl.ch

BEIN, Otmar



Otmar Bein received the IUFRO Distinguished Service Award in 1992 for his outstanding contribution to the development of the IUFRO Secretariat.

Otmar Bein was born on 15 April 1924 in Leoben, Styria, Austria. He studied Forestry (1947–1951) and graduated as Dipl.-Ing. (1951) from the *Universität für Bodenkultur* (BOKU, the University of Natural Resources and Life Sciences) in Vienna. In December 1957 he joined the Scientific Services Sector of the *Institut für Forschungsgrundlagen* (Institute for Research Basics) at the *Forstlichen Bundesversuchsanstalt* (FBVA, Federal Forestry Research Institute) in Vienna. In 1964, he was promoted to Head of the FBVA, where he worked until his retirement at the end of 1989. His research interests followed research issues arising at the Institute: biometrics, photogrammetry, databanks and databases, documentation and publication, library provisions and forest history.

Dipl.-Ing. Bein devoted much effort to the introduction of modern working methods, e.g., database maintenance in the office, and the establishment of the national forestry database in Austria, and promoting this concept globally. He authored and co-authored many scientific publications, including book chapters, books, reports, and edited proceedings. Mr. Bein was the first Austrian to be appointed to the Royal Swedish Academy of Agriculture and Forestry.

From an early stage Otmar Bein was involved in international forestry research. Under the Chairmanship of Dr. R. Ender, he was Secretary of the Congress Organizing Committee for the IUFRO Congress in Vienna (1961). His organizational experience and skills in dealing with people and institutions were one of the reasons for his appointment as the first Secretary of IUFRO when in 1973 the Austrian Government was invited to host on a permanent basis the IUFRO Secretariat in Vienna. He served in this position until 1987, being a member of the IUFRO Executive Board, and combining this duty with his job at the Federal Forestry Research Institute in Vienna.

Dipl. Ing. Otmar Bein passed away on 22 March 1998 in Vienna, Austria.

Selected research sources:

1. *Das Schrifttum der Forstlichen Bundesversuchsanstalt 1874–1973*. Mitteilungen der Forstlichen Bundesversuchsanstalt Wien, Heft 107. Wien, Österr. Agrarverl. in Komm. 266 S. [The literature of the Federal Forest Research Station 1874–1973]. 1974.
2. *Das Institut für Forschungsgrundlagen und seine Entstehung*. Mitteilungen der Forstlichen Bundesversuchsanstalt Wien, Heft 106. Wien, pp. 183–191. 1974
3. *Report of the permanent IUFRO Secretariat/XVI IUFRO World Congress*. Congress report = rapport sur le congres = kongressbericht (Oslo, Norway, 20–26 June 1976), pp. 350–351. Aas: Norwegian Forest Research Institute. 493 p. (German, English, French). 1977.
4. *Study tour*. O. Bein and E. Mayer, eds. Executive Board, IUFRO. Wien: Forstl. Bundesversuchsanst. [no date, ca. 1974]. 157 p. 1974.

Personal sources:

1. Ruhm F. Zum 60. Geburtstag. Bein. *Allgemeine Forstzeitung*, 7: 214. 1984.
2. URL: https://www.iufro.org/download/file/20517/3753/ar98e_pdf (Otmar Bein. Obituary).
3. Bein R. Personal communications (August 2019) at rene.bein@gmail.com

BROWN, Alan Gordon



Alan Gordon Brown received the IUFRO Distinguished Service Award in 1992 for his research activities and for promoting IUFRO in Australia and Oceania.

Alan Brown was born on 25 May 1931 in Hillston, Australia. He earned his B.Sc. in Forestry (1951) from the University of Sydney, Diploma in Forestry (Hons.) from the Australian Forestry School, Canberra (1951), and M.Sc. in 1966 from the University of Sydney. After graduation he worked with the New South Wales (NSW) Forestry Commission and the Forestry and Timber Bureau (FTB), Canberra. In 1961–1966 he lectured in silviculture and wood science at the Australian Forestry School, then returning to the new FTB's Forest Research Institute (FRI). Over 25 years he had various appointments at the Commonwealth Scientific and Industrial Research Organisation (CSIRO) in Canberra, including Acting Chief of the Forest Research Division (1980–1981, 1986–1987), Deputy Chief (1988–1990) and Chief of CSIRO Division of Forestry and Forest Products (1991–1992). Following retirement in 1996, he remained an Honorary Research Fellow at CSIRO until 2005.

Mr. Brown's research interests were in forest ecology, forestry, forest and timber management of different tree species such as pine and eucalypts, including those in plantations, wood production, and criteria and indicators for sustainable forest management. He published 130 papers, books and reports, and edited numerous proceedings. For example, in 1999–2011 he edited the proceedings of 12 conferences for the Crawford Fund, and with C.M. Palmberg he compiled the two-volume proceedings of the FAO/IUFRO Third World Consultation on Forest Tree Breeding held in Canberra, 21–26 March 1977.

Alan Brown played an important role in the regional research networks that developed in Australia and adjacent regions as a result of its distance from the IUFRO network concentrated Europe and North America. These operated regionally in the IUFRO mode and contributed much to forestry and forest science in this part of the world. Examples included FORSPA (supported by Asian Development Bank, UNDP and FAO), CIFOR, ACIAR and the Crawford Fund, with the assistance of Australian and New Zealand (Scion) forest services. He had a variety of roles in these networks: as a member of the CIFOR Board of Trustees (1992–1997) during the formative years of the organization, as a member and chairman of the Scientific Advisory Committee of the Hermon Slade Foundation (1998–2004) and of Maxwell Ralph Jacobs Fund Committee IFA (1983–2012), as well as Chairman and Director of the Research Committee for the Standing Committee of the Australian Forestry Council (1987–1991). As a member of IUFRO working groups and of the IUFRO Executive Board (1987–1990) he fostered a visit by the EB to Australia.

Mr. Brown is a Member of the Order of Australia (1998) and N.W. Jolly Medalist (1986), and is an Honorary Member of the IFA (Institute of Foresters of Australia) (2013). Since 1993 he has been a Fellow of the Australian Academy of Technological Science and Engineering (ATSE).

Mr. Alan G. J. Gordon John died on 19 May 2023 in Canberra, Australian Capital Territory.

Selected research sources:

1. *Eucalypts for Wood Production*. W.E. Hillis, and A.G. Brown, eds. CSIRO. 434 p. 1978.
2. *Management of Soil, Nutrients and Water in Tropical Plantation Forests*. E.K.S. Nambiar and A.G. Brown, eds. ACIAR, Canberra, Monograph No. 43. 571 p. 1997.
3. *Criteria and Indicators for Sustainable Forest Management*. R.J. Raison, A.G. Brown, and D.W. Flinn, eds. CABI Publishing, Wallingford. xiv + 462 p. 2001.
4. *Domestication of Radiata Pine*. R.D. Burdon, W.J. Libby & A.G. Brown. Springer For. Sci. 83. xxxv, 480 p. 2018.

Personal sources:

Brown A.G. Personal communications (May 2019 and June 2020) at alananderika@grapevine.com.au

FLETCHER, Alan McKay



Alan McKay Fletcher received the IUFRO Distinguished Service Award in 1992 for his outstanding service to the organization of IUFRO surveys and seed collection from identified locations in North America.

Alan Fletcher was born on 25 February 1937 in Aberdeen, Scotland. In 1960 he graduated from Aberdeen University Forestry Department with a B.Sc. (Hons.) in Forestry and earned his PhD in 1963. In 1963, Dr. Fletcher was appointed to the Genetics Branch of the Forestry Commission Research Station at Bush near Edinburgh with responsibility for the breeding of *Picea sitchensis* and *Larix eurolepis*. From 1973 to 1993 he was project leader for clone banks, seed orchards, vegetative propagation and pollination programmes and in the period 1985 to 1993 in addition assumed responsibility for all provenance research programmes. In 1993 he was appointed Head of Tree Improvement Branch with responsibility for the improvement of conifer and broadleaved species. In 1997 he retired from his post as Chief Research Officer North and later that year was awarded an O.B.E. (Order of the British Empire).

Dr. Fletcher research interests have been in the field of forest genetics and tree breeding, seeds origin and provenance studies predominantly of coniferous species. He authored and co-authored more than 50 scientific publications. He represented the UK on the EC Standing Committee on Seed and Propagating Material (1987-1999). He was also Chair of the OECD Scheme for the Movement of Seed and Plants in International Trade and one of a group carrying out a revision of the Scheme to take account of advances in tree breeding (1991-1999) and from 1993-1999 in the revision of the EC Directive on Forest Reproductive Material. In 1987 he was Chairman of the Academy of Finland Evaluation Group on Forest Regeneration Research.

Dr. Fletcher has an impressive record as an IUFRO Officeholder. In 1962 IUFRO Section 22 established a programme of seed collection from NW America. As part of that, Dr. Fletcher (under S2-02-12) made collections on *Picea sitchensis* in 1970 concentrating on obtaining seed from 64 identified locations in Alaska and British Columbia. Dr. Fletcher also undertook collections of *Abies grandis* (S2-02-14) from 58 sites in British Columbia, Washington, Oregon, California and Idaho in 1974–1976, and seed was distributed to 22 Institutes in 17 countries. In 1978, he collected seed from *Abies procera/magnifica* from 22 sites in Washington and Oregon.

Dr. Fletcher was Chair of WP S2-02-14 (1976–1992) and a member of the organizing committee for the joint meetings of the four WPs S2-02-05, S2-02-06, S2-02-12 and S2-02-14 in Vancouver, BC (1978) and Olympia, WA (1990). He edited a publication of the nursery stage results of the *Abies grandis* provenance seed sources (1986). In 1988–1992, by special request from the EC, Dr. Fletcher undertook a second survey of the original IUFRO collection sites, and the results were distributed to the EU Member States in 1992.

Selected research sources:

1. *Douglas fir seed sources. Field inspection. Washington, Oregon and Northern California.* EC, Brussels, Vol. I, 63 p. and Vol. II, 159 p. (with J. C. Bastien and A. Nanson). 1993.
2. *Choice of Sitka spruce seed origins for use in Britain.* FC Bulletin 127. Forestry Commission, Edinburgh. 112 p. (with C. J. A. Samuel and R. Lines). 2007.
3. *Choice of Douglas fir seed origins for use in British forests.* FC Bulletin 129. Forestry Commission, Edinburgh. 55 p. (with C. J. A. Samuel). 2010.

Personal sources:

Fletcher A.M. Personal communications (May 2019) at alanfletcher212@btinternet.com

FUGALLI, Oscar



Oscar Fugalli received the IUFRO Distinguished Service Award in 1992 for his exceptional activities, contributions and professional service rendered to the Union.

Oscar Fugalli was born on 11 March 1922 in Senigallia, Italy. In 1945, he graduated from the Forestry Faculty at the University of Florence, Italy, and obtained a M.Sc. degree at the Forestry College of the New York State University (SUNY), Syracuse, USA (1948). Upon return to Italy, he worked at the State Forestry Corps. In 1951, he began his service as a forester and diplomat at the UN FAO, where he stayed until retiring in 1982 as Chief, Forest Management Branch, Forest Resources Division of the FAO Forestry Department.

During his years at FAO, Mr. Fugalli was involved in the organization of six World Forestry Congresses, from the third congress in Helsinki (Finland 1949) to the eighth one in Jakarta (Indonesia 1978), where he was appointed Associate Secretary General. In 1968, he was one of the key initiators and active participants in the establishment of the FAO Panel of Experts on Forest Gene Resources. He was also an advisor on forestry economics at the Permanent Interstate Committee for Drought Control in the Sahel (CILSS) as well as Secretary of the Committee of *Sylva Mediterranea*. He also worked with the FAO's Forest Resources Development Service (FORM), the FAO International Poplar Commission (IPC), supported the development of the Tropical Forestry Action Plan (TFAP), and other initiatives. He was a long-standing member of the Commonwealth Forestry Association (CFA). In 1964 the Italian Academy of Forest Sciences awarded him Honorary Membership. Oscar Fugalli's overall service to FAO covered 55 years, more than a half of which he dedicated to enhancing the cooperation between FAO and IUFRO. The major areas were tree improvement, breeding and gene resources. He was actively involved in organizing the FAO/IUFRO First (Stockholm 1963), Second (Washington, DC 1969) and Third (Canberra 1977) World Consultations on Forest Genetics and Tree Breeding. In between these events, he was involved in organizing the FAO/IUFRO Symposium on Internationally Dangerous Forest Diseases and Insects (Oxford 1964) and the World Symposium on Man-Made Forests and their Industrial Importance (Canberra 1967).

In 1983, Oscar Fugalli created the IUFRO Special Programme for Developing Countries (IUFRO-SPDC) and until 1991 he was its first Coordinator. He then continued working for the IUFRO-SPDC Programme on a voluntary basis. He organized a number of regional research planning workshops for Asia (Sri Lanka 1984), Sahelian and North Sudanian region of Africa (Kenya 1986), for Latin America (Peru 1987), and for Eastern and Southern Africa (Malawi 1988). Later, he established the IUFRO Special Programme for Africa. In 1995, IUFRO granted Oscar Fugalli with its highest award – Honorary Membership.

Mr. Oscar Fugalli passed away at home in Rome on 15 October 2005, at the age of 83.

Selected research sources:

1. *Tree improvement and silvo-pastoral management in Sahelian and North Sudanian Africa: problems, needs and research proposals*. Vienna, Austria; IUFRO, SPDC. 196 p. (with D.E. Iyamabo, C. Cossalter, and S.L. Krugman; undated). 1988.
2. *IUFRO Special Programme for Developing Countries, July 1983 – December 1990*. Report for the 19th IUFRO World Congress, Montreal, Canada, August 1990. Vienna, IUFRO, SPDC. Typescript. 13 p. 1990.
3. *History of the International Poplar Commission (IPC)*. FAO UN, Rome. 11 p. (with M.Viart). 1998.

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1. Oscar Fugalli. In: Teplyakov V. *Honorary Members of IUFRO: 1953–2017*. Vienna, IUFRO, p. 72–73. 2018.
2. Fugalli F. Personal communications (March 2019) at francesca.fugalli@alice.it
3. Fugalli G. Personal communications (March 2019) at gualbertofugalli@gmail.com

JOACHIM, Hans-Friedrich



Hans-Friedrich Joachim received the IUFRO Distinguished Service Award in 1992 for his outstanding contribution in IUFRO activities, in particular the IUFRO Centennial Meeting.

Hans-Friedrich Joachim was born on 8 March 1925 in Halberstadt, Germany. After working at the Forestry Office Thale, in 1946 he entered *Humboldt-Universität zu Berlin*, obtained his Forest Diploma (1950) and began his research career at the *Eberswalder Forschungsanstalt für Forst- und Holzwirtschaft* (Eberswalde Research Institute for Forestry and Timber Industry) as an Assistant and Senior Researcher. In 1953 he obtained his Ph.D. and became a leader of the ecological poplar research unit in Eberswalde. In 1961 he became head of the Poplar Research Department of the Tharandt Institute of Forestry at the Academy of Agricultural Sciences in Graupa until its abolishment in 1971. He habilitated in 1964 at the Tharandt Forestry Faculty of Dresden Technical University. Dr. Joachim also lectured at the Eberswalde Forestry Academy (now *Hochschule für nachhaltige Entwicklung Eberswalde*). In 1990 he became Professor and a Commissioner of the Federal Republic of Germany in charge of preparations for the IUFRO Centennial Congress.

At the beginning of the 1950s, Dr. Joachim laid the foundation for an ecologically oriented poplar industry, which was later introduced to the forestry sector with a substantial expansion of its tasks and goals. He also made equally important contributions to the study of the effects of trees in protective plantations which, after the removal of the poplars, guaranteed the long-term diverse ecological effects on the land as well as their importance for landscape care and timber cultivation. He authored and co-authored more than 125 scientific papers, book chapters, books and reports. In addition to his research, Dr. Joachim has always paid much attention to the practical implementation of scientific findings. He looked at ways to maintain cleared agricultural landscapes as functioning ecosystems by means of protective plants, biotope networks, enrichment of beehive plants and riverbank protection. Dr. Joachim has served as a member of several professional societies and organizations. In recognition of his contributions, in October 1990, a symposium “Forestry industry is an important element of ecological landscape management” was held at the Eberswalde Research Institute for Forestry and Timber Management.

Dr. Joachim was elected as a Member of the IUFRO Board (1991–1995) and made a great contribution to the IUFRO Centennial Meeting 1992 in Eberswalde, and edited the Congress report. Dr. Hans-Friedrich Joachim passed away on 6 September 2020 and was buried in the Stahnsdorf South-Western cemetery.

Selected research sources:

1. *Pappelanbau außerhalb des Waldes*. Berlin, Deutscher Bauernverlag. 31 S. [Poplar Cultivation Outside the Forest]. 1953.
2. *Flurholzanbau – Schutzpflanzungen*. VEB Dt. Landwirtschaftsverl. 170 S. (with A. Krummsdorf and H. Göritz). [The Corridor Forest Construction – Protective Plantings]. 1961.
3. *Untersuchungen über den Einfluß von Witterung und Klima auf Schäden und Krankheiten der Pappel*. Dresden, Technical University. 236 S. [Studies on the Influence of Weather and Climate on Damage and Diseases of Poplar]. 1964.
4. *IUFRO Centennial: Centennial meeting report*. H.-F. Joachim, ed. Berlin–Eberswalde, Germany, 30 Aug.–12 Sep. 1992. IUFRO. 543 p. (in English, German, French, Spanish). 1993.

Personal sources:

1. Schrödl G. Professor Dr. Hans-Friedrich Joachim 65 Jahre. *Der Wald Berlin* 41(1): 30. 1991.
2. Bergmann J.-H. Prof. Dr. habil. Hans-Friedrich Joachim 70 Jahre. *Beiträge für Forstwirtschaft und Landschaftsökologie* 29(2): 95. 1995.
3. Joachim H.-F. Personal communications (June 2019).

NYYSSÖNEN, Aarne Olavi



Aarne Olavi Nyysönen received the IUFRO Distinguished Service Award in 1992 for his longstanding inputs to the advancement of IUFRO Division 4.

Aarne Nyysönen was born on 9 August 1921 in Karttula, Finland. He graduated from Kuopio Lyceum (1944) and obtained his Postgraduate Diploma (B.Sc.) in Agriculture and Forestry (1948), and a Licentiate and Dr.Sc. degrees in Forestry (1954) from the University of Helsinki. In 1948, he began his career as a Research Assistant at the Finnish Forest Research Institute (METLA, in which he served as Professor in 1957–1959), an assistant to the Academy of Finland and as assistant to Academician Yrjö Ilvessalo (1948–1956). He has served as Professor of Forest Science at the University of Helsinki (1956–1984), where he was Deputy Dean (1963–1969) and Dean (1969–1972) of the Faculty of Agriculture and Forestry. He then was appointed as Director General of METLA (1984–1988), as an Associate Professor at the University of Helsinki (1988–2000) and from January 2001 to November 2005 was located in Viikki, a township located 8 km north of Helsinki where forest education was moved from Helsinki.

Professor Nyysönen was a major player in Finland's forest policy from the 1950s onwards. His research interests were in forest growth, yield and use, forest mensuration and inventory, forest management, planning and policy, forest research and education. He published numerous scientific articles, research reports, and practical manuals. He became a member of the Finnish Academy of Sciences in 1973 and was its Secretary-General (1984–1994). He also played a significant role as an international forest consultant and had numerous domestic and international tasks in the organizations and committees in the fields of his professional interests. He established good relationships in forestry between Finland and countries in Asia, Africa and the Americas. He consulted to the UN FAO on forest resources assessment (FRA) including the organization and chairing of allied meetings – the Kotka Expert Consultations on the Global FRA (1987, 1993, and 1996). He served as a member (1974–1984) and Chair of the FAO Committee on Forestry Education (1976–1980).

Professor Nyysönen received numerous recognitions nationally and internationally. He was elected an Honorary Member of the Finnish Forest Association (1992), received among other honours *Metsämiesten Säätiö* (The Foresters' Foundation) Recognition Award (1983), the Cajander silver medal, the Golden medal of the *Metsähallitus* (Finnish Forest Administration), the Golden medal of Tapio and the Cotta medal of Tharandt, Germany. Universities in Uppsala (SLU, 1979) and Joensuu (1989) named him an Honorary Doctor. He was a founding and honorary member of the Mexican Academy of Forest Sciences. Professor Nyysönen was vigorously involved in IUFRO activities from the 1950s until the IUFRO World Congress in Tampere (1995). He was the Finnish representative on the IUFRO International Council (1967–1986), Chair of IUFRO unit on aerial photography (1961–1967), a member of other units, and Deputy Coordinator of Division 4 (1981–1986).

Professor Aarne Olavi Nyysönen passed away on 10 August 2006 in Sonkajärvi, at the age of 85.

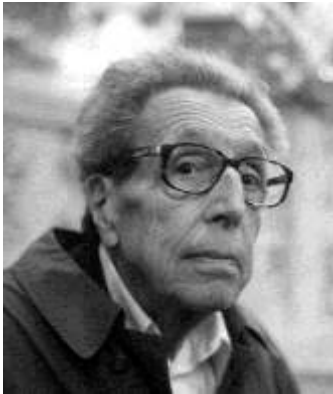
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1. *National forest inventories in the Nordic countries. Forest resource inventory and monitoring and remote sensing technology.* IUFRO Centennial Meeting. Japan Soc. For. Plan. Press, p. 28–35. 1992.
2. *Yearbook 1987–1988: Finnish Academy of Sciences.* Aarne Nyysönen, ed. Helsinki: Akatemia.
3. Forest research in Finland. *Forestry* 70(4): 367–374. 1997.

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1. *Telluksen Taksaattori: Ylijohtaja, Professori Aarne Nyysönen.* R. Haapanen, T. Hujala & S. Poso, eds. Metsävarojen käytön laitoksen julkaisuja 42, Taksaattoriklubi, 2. uudistettu painos. 146 s. [Tellus of Mensurationist: Director General, Professor A. Nyysönen, Publications. 2nd ed., 2008. 146 p.]. Photo. 2008
2. Nyysönen M. Personal communications (August 2019) at m.o.nyysonen@gmail.com

RUBNER, Heinrich Konrad



Heinrich Konrad Rubner received the IUFRO Distinguished Service Award in 1992 for his long-term contributions to the advancement of IUFRO on forest history.

Heinrich Rubner was born on 2 November 1925 in Grafrath/Oberbayern, Germany. As a son of the forestry scientist and later Ministerial Director Konrad Rubner (1886–1974), Heinrich followed his father and studied history, geography and German studies at the Ludwig-Maximilians-University (LMU) Munich from which he graduated (1952), received his Ph.D. in geography (1955), habilitated (1962), and then worked as a Lecturer in Forest History (1963–1969). In 1969, Dr. Rubner moved to the Institute of History at the University of Regensburg, where he worked as Professor in Economic and Social History until his retirement in 1991. After his retirement, Dr. Rubner led several research projects.

Dr. Rubner's early research focused on the distribution of hornbeam in Central and Western Europe and with forest management in Lower Franconia. Later, his research interests were in European forestry, hunting and environmental history, which resulted in the closure of many research gaps in this area. His habilitation thesis was on the forest constitution of Medieval France (*Untersuchungen zur Forstverfassung des mittelalterlichen Frankreichs*), then about forest history in the age of the Industrial Revolution (*Forstgeschichte im Zeitalter der industriellen Revolution*, 1967). His most important book concerned German forest history during 1933–1945 (*Deutsche Forstgeschichte 1933–1945. Forstwirtschaft, Jagd und Umwelt im NS-Staat*, 1985). After his retirement, Dr. Rubner continued his research in various projects, dealing with the forest history of Saxony and others, including a collection of biographies of 100 prominent foresters of Bavaria from 1875 to 1970 (1994). He also published over 50 papers in various journals, conference proceedings and other sources.

Dr. Rubner was recognized with a number of awards, such as election as a Fellow of the Forest History Society (FHS) (1985), a member of the *Academie d'Agriculture Francaise* (1987), member of the advisory board for the Görres Society (2006), and as a recipient of Heinrich Cotta silver medal (1991) by the Technical University of Dresden, where the archive of his manuscripts is stored. Dr. Rubner was linked to IUFRO from the mid-1960s, serving as a Deputy Leader of IUFRO SG S6.07-00 Forest and Forest History (1979–1995). He received his IUFRO DSA on the occasion of the 100th Anniversary of IUFRO in Berlin in 1992.

Professor Heinrich Rubner passed away in Munich on 15 October 2017.

Selected research sources:

1. *Forstgeschichte im Zeitalter der industriellen Revolution*. Schriften zur Wirtschafts- und Sozialgeschichte. Band 8. Berlin, 1967.
2. *Deutsche Forstgeschichte 1933–1945. Forstwirtschaft, Jagd und Umwelt im NS-Staat*. Scripta Mercaturae Verlag, 1985. 264 S. [German Forest History 1933–1945. Forestry, Hunting and Environment in the NS State]. (2 ed., extended, Winkel Stiftung Verlag, 1997. 401 S.).
3. Greek Thought and Forest Science. *Environmental Review* 9(4): 277–306. 1985.
4. Forstgeschichte 1968–1973. *VSWG: Vierteljahrschrift für Sozial- und Wirtschaftsgeschichte* 62 (2): 243–257. [Forest History 1968–1973]. 1975.
5. *Hundert bedeutende Forstleute Bayerns (1875–1970)*. Mitteilungen aus der Staatsforstverwaltung Bayerns, Heft 47. München. 334 S. [One Hundred Prominent Foresters of Bavaria (1875–1970)]. 1994.

Personal sources:

1. URL: https://www.forstpraxis.de/wienhaus_kurth_nachruf_rubner_sl/ Retrieved 13.06.2019
2. Rubner J. Personal communications (June 2019) at jeanne.rubner@br.de

STRAND, Lars Ketil



Lars Ketil Strand received the IUFRO Distinguished Service Award in 1992 for his longstanding inputs to the advancement of Division 6 and IUFRO.

Lars Strand was born on 11 May 1924 in Kristiania (now Oslo), Norway. From 1942, he studied forestry at Norway's practical forestry state school at Osen and The National Forest School, Kongsberg. He then graduated with a Diploma in Forestry (1948) and obtained his Dr. Sc. in Agriculture (1959) from the *Norges Landbrukshøgskole* (NLH, Norwegian College of Agriculture – Norwegian University of Life Sciences). In 1948, he began his career at *Norsk Hydro* undertaking research on forest growth. He was Graduate Fellow at NLH (1949–1952), and then a Research Assistant, Amanuensis and Associate Professor at the NLH Institute of Forest Management (1952–1964) and delivered lectures in various disciplines including mathematical statistics, forest management, aerial photogrammetry, and forest economics. In 1965, he was appointed as a Research Leader at *Norsk institutt for skogforskning* (the Norwegian Forest Research Institute – NFRI, now NIBIO – Norwegian Institute of Bioeconomy Research) in Ås. He then became a Professor of Mathematics and Statistics at the Norwegian College of Agriculture (1968–1990) and served as its dean (1971–1977).

Dr. Strand has focused his research interests in the field of forest mensuration, growth and yield, biometry, statistics, and statistical methods, forest inventory and management, and other relevant disciplines. Since 1952, he was mathematical consultant for the National Forest Assessment. He has authored and co-authored numerous scientific and technical papers, book chapters and books, reports, and edited several scientific conference proceedings. Dr. Strand has participated in many scientific meetings in European and Asian countries. He has served as a member of a number of national and international societies and committees such as the Norwegian Forestry Association, the UN FAO, the Biometric Society, and on the editorial boards of scientific journals. Dr. Strand has been recognized with a number of honours and awards, including an honorary degree from the University of Helsinki.

Dr. Strand was introduced to IUFRO when he participated in the Congresses in Rome (1953) and Vienna (1961). Starting in the early 1970s, Dr. Strand served in IUFRO in various positions. He has served as Deputy Coordinator (1976–1980) and, for two terms, Coordinator (1981–1990) of IUFRO Division 6 General Subjects, being also a member of the IUFRO Executive Board and a member (1981–1986) and Vice-Chair (1986–1990) of the Honours and Awards Committee. In 1979, Professor Strand and Dr. O.N. Blatchford approached IUFRO to establish a Working Group that in 1980 undertook a global survey of the use of the Oxford Decimal Classification. He received his DSA on the occasion of the 75th anniversary of the Norwegian FRI.

Dr. Lars Ketil Strand died on 12 March 2024 in Ås.

Selected research sources:

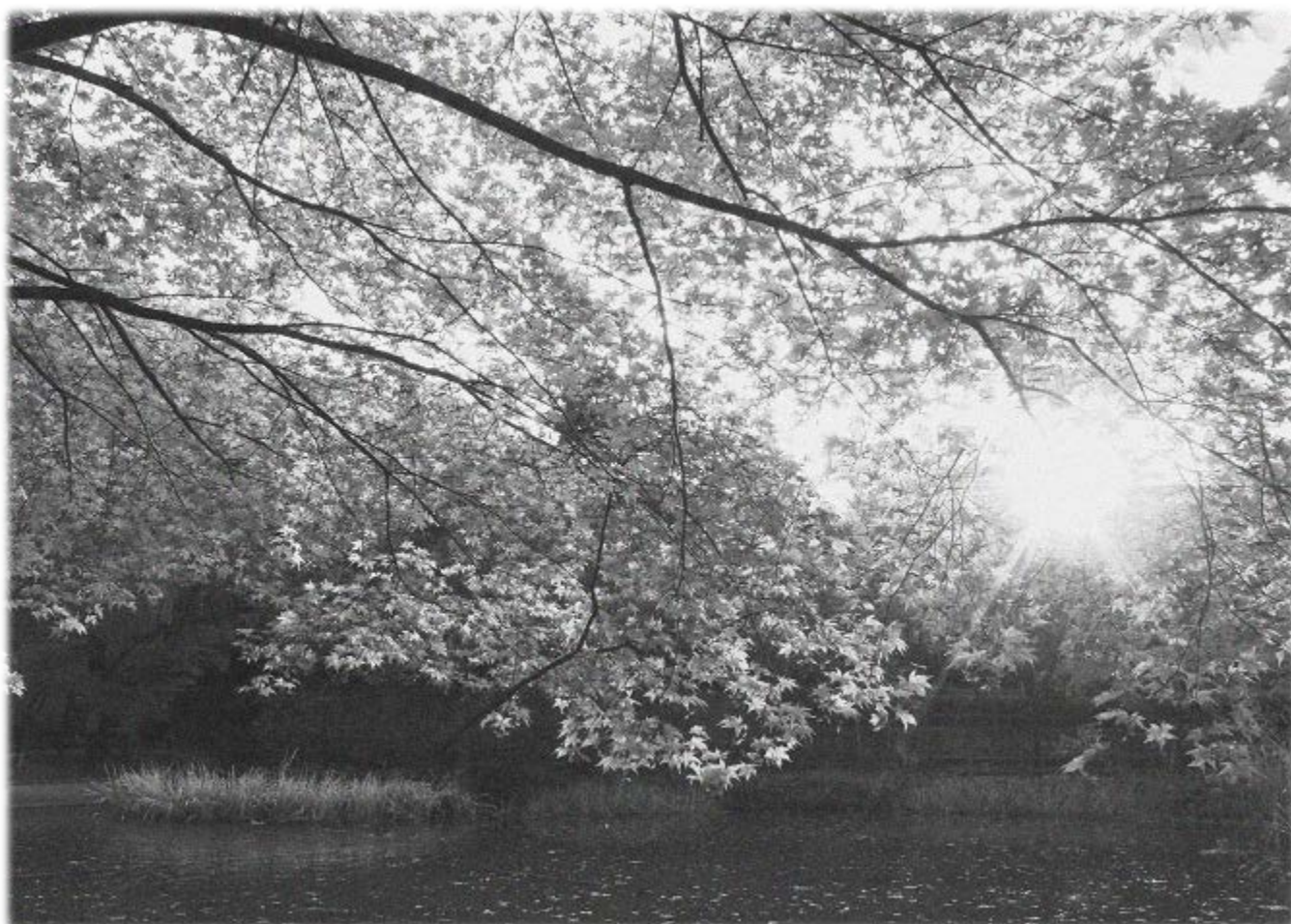
1. *18th IUFRO World Congress*. E. Donaubauer, L. Strand, M. Bol, R. Hermann, R. Young, eds. Congress Report. Ljubljana, Yugoslavia, 7–21 September 1986. IUFRO COC. 683 p. 1986.
2. *Monitoring the environmental quality of Nordic forests*. Report of the MIKOS project. L. Strand, ed. Nordic Council of Ministers. NORD, 1997:14. Copenhagen. 77 p. 1997.
3. Crown density assessments, control surveys and reproducibility. *Environmental Monitoring and Assessment* 56: 75–86. (with S. Solberg). 1999.

Personal sources:

1. URL: https://snl.no/Lars_Ketil_Strand Retrieved 12.06.2019.
2. Solberg S. Personal communications (June–August 2019) at Svein.Solberg@nibio.no
3. Strand L.V. Personal communications (July–August 2019) at lvs@brekkestrand.no

1995

<i>Harold E. BURKHART</i>	<i>USA</i>	<i>1995</i>
<i>Thomas J. CORCORAN Jr.</i>	<i>USA</i>	<i>1995</i>
<i>Lyubomir DIMITRI</i>	<i>Germany</i>	<i>1995</i>
<i>George Z. GERTNER</i>	<i>USA</i>	<i>1995</i>
<i>Othmar GRIESS</i>	<i>Austria</i>	<i>1995</i>
<i>H. Gyde LUND</i>	<i>USA</i>	<i>1995</i>
<i>Kurth L. PERTTU</i>	<i>Sweden</i>	<i>1995</i>
<i>Adolf PRIESOL</i>	<i>Slovakia</i>	<i>1995</i>
<i>Florian SCHOLZ</i>	<i>Germany</i>	<i>1995</i>
<i>Risto J. SEPPÄLÄ</i>	<i>Finland</i>	<i>1995</i>
<i>Gustaf E. SIRÉN</i>	<i>Sweden</i>	<i>1995</i>



BURKHART, Harold Eugene



Harold Eugene Burkhart received the IUFRO Distinguished Service Award in 1995 for serving in leadership positions and organizing scientific meetings.

Harold Burkhart was born on 29 February 1944 in Wellington, Kansas, USA. He earned his B.Sc. in Forestry at Oklahoma State University (1965), and M.Sc. in Biometrics (1967) and Ph.D. (1969) degrees at the University of Georgia. Dr. Burkhart spent most of his professional career at Virginia Polytechnic Institute and State University in Blacksburg where he progressed from an Assistant Professor (1969) to Associate Professor (1973–1978), Professor (1978–1981), and Thomas M. Brooks and University Distinguished Professor (1999) in the Department of Forest Resources and Environmental Conservation, and where also served as Head of the Department (1995–2008).

Professor Burkhart has authored and co-authored two textbooks and over 250 research papers published in peer-reviewed journals, research bulletins, book chapters, and proceedings papers in the area of modeling of forest stand dynamics, growth and yield, and applying quantitative analysis techniques to forestry problems. He has supervised 65 graduate students, 14 postdoctoral fellows, and 7 visiting faculty members. In 1979, Dr. Burkhart founded an industry-university cooperative research program at Virginia Tech called the Forest Modeling Research Cooperative that is still operating today and. The Cooperative is aimed at developing improved models for predicting tree growth and stand development. He was a Senior Research Fellow (1976–1977) at the Forest Research Institute in Rotorua, New Zealand. Dr. Burkhart has served in a number of advisory and editorial boards, e.g., editor of *Forest Science* (1986) and has served on the advisory boards of several journals.

Professor Harold Burkhart is one of 14 University Distinguished Professors at Virginia Polytechnic Institute and State University. He is a Fellow in the SAF and the AAAS, and holds professional memberships in the Biometric Society, AFA, Sigma Xi, Phi Kappa Phi, and Xi Sigma Pi. His contributions to forestry research and education have earned him the Virginia Academy of Science J. Shelton Horsley Research Award (1983), Outstanding Faculty award by the State Council for Higher Education in Virginia (1988), the SAF Barrington Moore Memorial Award (1991), and the Distinguished Agriculture Alumnus award from Oklahoma State University (1993). He became Virginia's Outstanding Scientist of 2013, and the Forest Landowners Association Forest Champion of the Year (2013).

From the 1980s, Professor Burkhart served IUFRO in several leadership positions with its research groups and Division IV where he was Deputy Coordinator and a member of IUFRO's Executive Board (1996–2000). He has organized many scientific meetings and edited numerous proceedings for the organization. He is the recipient of two prestigious IUFRO's honours: Scientific Achievement Award (1981) and World Congress Host Country Scientific Achievement Award (2014). In October 28–30, 2018, a joint SOMENS/NEMO/IUFRO 4.01 Conference was held at Virginia Tech campus to honour and appreciate Harold Burkhart for his mentoring influence and many contributions to forest biometrics. Professor Harold E. Burkhart died on 20 October 2022 in Blacksburg, Virginia.

Selected research sources:

1. *Forest Measurements*. 5th ed. New York, McGraw-Hill. 456 p. (with T.E. Avery). 2002.
2. *Modeling Forest Trees and Stands*. Springer-Verlag. 471 p., 85 b/w ill. (with M. Tomé). 2012.

Personal sources:

1. Harold E. Burkhart receives international award for sustainable forest management models. <https://vtnews.vt.edu/articles/2014/09/091114-cnre-burkhartiufroaward.html> Retrieved 18.12.2018
2. Burkhart H.E. Personal communications (May 2019) at burkhart@vt.edu
3. Timney K. In memoriam: Harold Burkhart, University Distinguished Professor <https://news.vt.edu/articles/2022/10/cnre-memoriam-burkhart.html> Retrieved 03.01.2023.

CORCORAN, Thomas (Tom) Joseph, Jr.



Thomas Joseph Corcoran Jr. received the IUFRO Distinguished Service Award in 1995 for his long-term service and contributions to advancing IUFRO Division 3.

Tom Corcoran was born on 9 October 1933 in St. Paul, Minnesota, USA. He earned his B.Sc. in Forestry (1955) at Michigan Technological University in Houghton, his M.Sc. (1960) and Ph.D. (1962) in Forest Economics at Purdue University in West Lafayette, Indiana. Prior to his 35-year professional career at the Forestry Faculty of the University of Maine at Orono, he has served as first lieutenant in the U.S. Army Artillery and then as an Engineer with the Bell Telephone System. At the University, Dr. Corcoran served as Assistant Professor and Associate Director of the School of Forest Resources (1965–1971) and became one of the youngest full Professors of the University (1968). In 1969–1970, he was Senior Fulbright Research Scholar at the University of Helsinki, Finland, and undertook research and training at universities in Norway, the Netherlands, Luxembourg, Ireland, Spain, and New Zealand. He formed and led the Forest Engineering Program (1972–1996) and chaired the Department of Forest Management (1988–1995). He trained 55 Masters and Doctorate students from 24 universities worldwide.

Dr. Corcoran's research interests covered a wide range of forestry and timber industry disciplines including timberland assessment, land survey, forest engineering, and forest resources management, production analysis in forestry, planning and control of forest, operations research, and forestry economics. He was a Registered Surveyor in Maine and the second person to be licensed in Maine as a Professional Forester. He authored and co-authored more than 200 scientific papers, book chapters and books as well as edited proceedings of conferences, seminars and workshops. He created and during eight years served as Editor of the *Maine Forest Review* and served as a member of the editorial board of the *Journal of Forestry* (1991–1994). Dr. Corcoran was a long-standing (since 1962) member of the SAF and in 1985 was elected a Fellow. He was a member of the New England SAF (NESAF), in which he was Forest Technology Coordinator, and served on the Council on Forest Engineering (COFE), chairing its New England Region (1965–1993) and the national organization (1994). He was also associated with the ASAE, AERE, APA, and CPPA, the Society of Computer Simulation as well as the Society of Irish Foresters and the *Societa Forestalis Fenniae*.

Dr. Corcoran was a longstanding collaborator in IUFRO. From 1971, he participated in many IUFRO Congresses, served as chair of IUFRO S3.04 Operational planning and control; work study (1981–1990), and edited several proceedings of IUFRO meetings on this subject area. Dr. Corcoran received the Scientific Merit Medal at the University of Zvolen, Czechoslovakia (1982), an Honorary Doctorate of Science from the University of Helsinki (1990), and was a COFE Honoree (1996). Professor Thomas J. Corcoran, Jr. died in Orono, ME on 25 January 1996, at the age of 62. The same year, his wife Myrna J. Corcoran established the Thomas J. Corcoran Memorial Scholarship to be given to an undergraduate student at the University of Maine annually.

Selected research sources:

1. *COFE/IUFRO 1984*. T. J. Corcoran and D. R. Gill, eds. SAF Publ. 84-13. Orono, ME. 367 p. 1984.
2. *IUFRO XIX World Congress Proceedings Subject Area S3:04, 5–11 August 1990, Montreal PQ, Canada*. T. J. Corcoran, P. Linehan, and S. Liu, eds. Maine Agric. Exp. Sta. Misc. Report No. 354. 296 p. 1991.
3. An expert system for timber harvesting decision making on industrial forest lands. *Forest Products Journal* 44(6): 65–70. (with P. Linehan). 1994.

Personal sources:

1. Thomas J. Corcoran, Jr. 1933 – 1996. In Memoriam. *News Quarterly*. New England SAF 57 (2): 4. 1996.
2. Corcoran B. J. Personal communications (May 2019) at csb88@live.com

DIMITRI, Lyubomir



Lyubomir Dimitri received the IUFRO Distinguished Service Award in 1995 for his long-term leadership in IUFRO Unit on root and butt rot.

Lyubomir Dimitri was born into a Bulgarian family on 16 January 1934 in the village of Lórév on Csepel Island, Hungary. In 1952, he began his professional education at the Forestry Faculty of the Polytechnic University in Sopron. He continued his forestry education at the University of Göttingen in Hannover Münden, Germany from which he graduated as Forestry Engineer (1959). He began his professional career at the University's Institute of Silvicultural Engineering and then at the Institute for Forest Plant Diseases of the Federal Biological Research Centre for Agriculture and Forestry (BBA). He passed the Great State Examination (1962), obtained his Dr. Sci. degree in Forestry (1965), received his habilitation (1979) and was appointed as Associate Professor (1986) at the University of Göttingen.

In 1965, Dr. Dimitri passed the Great State Examination for the higher forest service in the state of Hesse, and was appointed as a research assistant at the Waldbau Institute (1965–1967) in Hannover Münden, and then at the Institute for Forest Tree Breeding of the Hessian Research Station (1968–1973). In 1973, he was appointed Head of the Forestry Institute, later Forest Management and Scientific Production, and in 1990 – Head of Department of Forest Protection at the Hessian State Institute for Forest Management, Forest Research and Forest Ecology in Hannover Münden.

Dr. Dimitri was a recognized expert on forest protection and tree disease. Various organizations and countries invited him for consultations and project elaboration. He published numerous scientific papers, many of which were trail-blazing.

Dr. Dimitri was active in IUFRO Division 2 Forest Plants and Forest Protection. From 1978 he headed the IUFRO unit on root and butt rot, and from 1986 – on forest plant diseases. He was committed to the networking of science and practice and the rapid transfer of research results into forestry. He also built bridges between scientists in Western and Eastern Europe. On reaching the statutory age, he retired in April 1996. He spent the following years both in Lórév, Hungary and Hannover Münden, where he passed away on 23 October 2009.

Selected research sources:

5. Untersuchungen über den Einfluß des Wassergehaltes, der Rindendicke und der Darrdichte auf die Wärmeleitung der Buchenrinde. *Holz als Roh- und Werkstoff* 26(3): 95–100. [Studies on the influence of the water content, the bark thickness and the density of the wood on the heat conduction of the beech bark]. 1968.
6. *Proceedings of the 5th International Conference on Problems of Root and Butt Rot: Kassel, Germany, August 7–12, 1978*. L. Dimitri, ed. Hessische Forstliche Versuchsanstalt, Hann. Münden. 355 p. 1980.
7. *Untersuchungen über die Widerstandsfähigkeit der Fichte (Picea abies Karst.) gegenüber dem Wurzelschwamm Fomes annosus (Fr.) Cooke*. FOR/SCHR– Schriftenreihen, B. 66. Frankfurt, Sauerländer. 126 S. [Studies on the resistance of the spruce (*Picea abies* Karst.) to the root sponge *Fomes annosus* (Fr.) Cooke]. 1980.

Personal sources:

1. Bressemer U. Prof. Dr. Dimitri. *Leute* 10.04.2010 <https://www.forstpraxis.de/prof-dr-dimitri/>
2. Wulf A. Prof. Dr. Lyubomir Dimitri im Ruhestand. *Nachricht. Deut. Pflanzenschutzd.* 49: 183–184. 1997.
3. Dimitri S. Personal communications (April–June 2019) at sabine.dimitri@gmx.de

GERTNER, George Zdzislaw



George Zdzislaw Gertner received the IUFRO Distinguished Service Award in 1995 for his outstanding service in organizing conferences and sessions during and between IUFRO Congresses.

George Gertner was born on 4 April 1952 in Chicago, Illinois, USA. He earned his B.Sc. (Hons.) in Forest Biometrics (1974) at the University of Illinois, Urbana-Champaign, M.Sc. in Biometrics (1976) at the University of Wisconsin, Madison, and Ph.D. in Biometrics (1979) at the University of Washington, Seattle. From 1974 and during his study at the universities, he worked as a Research Assistant and Teaching Assistant, and then progressed from Assistant Professor (1979) to Associate Professor (1986) and Professor of Biometrics (1992–1995) at the Department of Forestry, University of Illinois. At the University, Dr. Gertner has also served as Director of the University's Program for Quantitative Analysis of Natural Resources in the Department of Natural Resources and Environmental Sciences (1995–2009) and Professor of Biometrics, Department of Statistics (1996–2009), and since 2009 to present – Professor of Biometrics, Emeritus, at the University of Illinois. In 1994–1995 Dr. Gertner was a guest Professor at Freiburg University under a German National Science Foundation Fellowship.

Dr. Gertner's primary area of research has been to develop a comprehensive framework to statistically identify, control and manage errors and uncertainties in non-spatial and geospatial natural resource modeling systems. He has authored and co-authored over 100 scientific papers in peer-reviewed journals as well as several book chapters and numerous reports and edited proceedings of scientific conferences. Since 1993, he has served as a member of Editorial Boards of *Acta Forestalia Fennica* and *Silva Fennica*, Associate Editor of *Forest Science* (1992–1995; 2001–2004), *Forest and Landscape Research – A Northern European Journal on Integrated Research* (Denmark, 1993–1997), and *Forest Biometry, Modelling and Information Sciences* (2001 to present).

Professor Gertner is a member of the ASA, AAAS, IEEE, SAF, American Society of Photogrammetry and Remote Sensing, Biometrics Society, Geoscience and Remote Sensing Society, Gamma Sigma Delta Honor Society of Agriculture, and others. His research and service achievements were recognized by the University of Illinois Department of Forestry with an Outstanding Researcher Award (1991) and teaching awards (1989, 1993), and by the Society of American Foresters with the SAF Distinguished Service Award (1995) and SAF Distinguished Research Award (2003). He also received a research fellowship from the Swiss Federal Institute for Forest, Snow and Landscape Research in Birmensdorf (1990).

Professor Gertner was an active IUFRO Officer serving as Leader of SG 4.11 Statistical Methods, Mathematics and Computers (1986–1995) and of WP 4.11.01 Statistical Methods (1996 to present). In 1987–1995, during and between IUFRO Congresses, he organized and co-organized 10 conferences and sessions in the USA, Germany, Austria, Canada, the U.K., Greece, Denmark, and Finland, and published their edited proceedings.

Selected research sources:

1. A quality assessment of a Weibull based growth projection system. *For. Ecol. and Mgmt.* 71: 235–250. (with X. Cao and H. Zhu). 1995.
2. The impact of interactions in spatial simulation of the dynamics of urban sprawl. *Landscape and Urban Planning* 73(4): 294–306. (with S. Fang, Zhanli Sun, and A. Anderson). 2005.
3. Uncertainty in forest landscape response to global climatic change. *Global Change Biology* 15: 116–131. (with C. Xu and R. M. Scheller). 2008.

Personal sources:

Gertner G.Z. Personal communications (May 2019) at gertner@illinois.edu

GRIESS, Othmar



Othmar Griess received the IUFRO Distinguished Service Award in 1995 for his contribution to the organization of Division 4 research on forest management and planning, managerial economics, and forest terminology.

Othmar Griess was born on 5 June 1929 in Vienna, Austria. He studied forestry, graduated as *Dipl. Ing. nat. techn.* (1954), completed his dissertation at the *Universität für Bodenkultur* (BOKU, the University of Natural Resources and Life Sciences) in Vienna, and obtained his Doctorate in Management Planning (2001) from the BOKU. In 1955 he was appointed to the Styria State Department of Agriculture and Forestry in Graz and was soon commissioned with the management of the mining and steelmaking district of Mürzzuschlag in Styria. Since 1963 until his retirement in 1992, he headed the Department of Forest Management and Forestry Economics in the State Department in Graz.

Dr. Griess has focused his research efforts on innovation in forest management, electronic data processing, and the use of orthophotographs that he designed. He calculated and published new timber yield charts and new variability charts. He authored and co-authored research papers, reports, book chapters and manuals. He has served as a member of various national and international professional and public societies. He was Head of the Technical Committee for Forest Management at the Austrian Forestry Association, and Managing Director of the *STUGES* (Study Society of Austrian Forest Owners) in Vienna. He contributed to the modernization of the inventory technology with new yield tables and the appraisal system with new sorting boards. As an expert, he was also involved in national and international social and economic projects.

Dr. Griess began his international activities at scientific conferences in 1966. He has an extensive record of long-term service for IUFRO in various positions, starting as Leader of IUFRO SG 4.04.00 Forest Management planning and business economy (1983–1995), continuing as Coordinator of WP 4.04.07 Terminology of forest management planning (1996–2010) and since 2010 – Deputy Coordinator of former 4.04.07 that was renamed to 4.04.03 *SilvaPlan*: Terminology of forest management planning. His intensive work on explaining and defining technical terms has resulted in the IUFRO World Series Vol. 9-de (1998) and in an online terminology database on forest management.

Dr. Othmar Griess died on 2 March 2023 in Vienna.

Selected research sources:

4. *Sortentafeln für Fichte*. Wien: Österr. Agrarverl.. 151 S. (with H. Sterba). [Sorting boards of spruce]. 1983.
5. Structure and use of a forest management information system. In: *IUFRO S4.04.00 Proceedings: Symposium on The application of information technology in forest management planning, Sept 3–7, 1991, University College Dublin, Ireland*, pp. 4–16. 1991.
6. The forest enterprise and the principle of sustained yield (Abstract). *IUFRO Centennial meeting [1892–1992], Eberswalde/Berlin, Germany, 31 Aug–4 Sep 1992*. Proceedings. Wien, Austria, p. 520. 1992.
7. *Terminologie der Forsteinrichtung Begriffe und Definitionen in deutscher Sprache – Entsprechungen in Englisch, Französisch, Spanisch, Italienisch, Portugiesisch, Ungarisch und Japanisch*. O. Griess, H. Kurth, IUFRO 4.04.07. *SilvaPlan* und *SilvaVoc*. Wien. 176 p. (IUFRO World Series Vol. 9-de) [Terminology of Forest Management Planning: Terms and Definitions in German]. 1998.
8. *Die Allmähliche Strukturveränderung und der Nachhaltskoeffizient*, the Theory of Controlling the Sustainability of the Crop during the Transition from the Clearcutting system to Highly Structured Forests. Dissertation, Vienna University of Natural Resources and Life Sciences. 2000.

Personal sources:

Griess O. Personal communications (July 2019) at othmar.griess@a1.net

LUND, Herluf Gyde III



Herluf Gyde Lund III received the IUFRO Distinguished Service Award in 1995 for his leadership in the fields of forest inventory and monitoring.

Gyde Lund was born on 8 January 1939, USA. He earned his B.Sc. in Forest Management at Utah State University (USU) in Logan, UT (1961) and M.Sc. in Forest Fire Sciences at University of Washington in Seattle, WA (1970). He spent his entire career with the USDA Forest Service, starting in 1957 as a forest technician, and since 1961 – Practicing and Research Forester of the USDA Forest Service and the USDI Bureau of Land Management. He retired from his governmental position in 1997. Currently he is an on-call forest consultant. His latest work has been with the Environmental Pulse Institute (EPI) working on a series of State of the Environment reports for several African and Asian nations.

Gyde Lund's major research interests have been in the field of resource inventory, remote sensing, monitoring, assessment of information needs, and terminology. He has authored and co-authored nearly 200 publications, mostly dealing with these aspects. He is the author of the most comprehensive compendium of international, national and local definitions of "forest" collected from all over the world. In his professional capacity, he has worked with and visited over 30 countries and on all continents.

Mr. Gyde Lund has served in numerous working groups and steering committees working on further development of remote sensing, spatial accuracy, international guidelines for forest monitoring, and harmonization of forest definitions, to name just a few. He is a member of Xi Sigma Pi and Phi Kappa Phi honorary fraternities and received the USU's Lifetime Achievement Award in 2000.

Starting in 1978, Mr. Lund has had an extensive record of IUFRO Activities and valuable publications. He has served as Co-chairman of IUFRO SG S4.02.02 Resource Inventories in Temperate Zones (1979–1986), Leader of SG S4.02 Forest Resource Inventories and Monitoring (1987–1996), and offices in different IUFRO units and projects as well being a IUFRO representative to several international organizations, societies and meetings, including FAO, UNEP, IPCC, EFI, SAF and others (1996–2003). Since 1975, Gyde Lund has produced monthly or weekly Resource Inventory and Monitoring Newsletters that reach nearly 2,300 addresses worldwide. He participated in several IUFRO projects, designing the strategic directions of the Union's advancement in global forest multi-resources and multi-purpose monitoring and inventory. Amongst many other such activities, he arranged a panel on Global Forest Assessments Beyond 2001 at the IUFRO World Congress (1995).

Selected research sources (as lead author or co-editor):

1. *Land and Resource Evaluation for National Planning in the Tropics*. Proceedings of the International Conference and Workshop. Gen. Tech. Report WO-39. Washington, DC: USDA FS. 524 p. 1987.
2. *Global Natural Resource Monitoring and Assessments: Preparing for the 21st Century*. Proceedings, Venice, Italy, September 24–30, 1989. American Society for Remote Sensing and Photogrammetry, Bethesda, Maryland, USA. In 3 volumes. 1495 p. 1990.
3. *IUFRO International Guidelines for Forest Monitoring*. IUFRO World Series Vol.5. Vienna, Austria. 102 p. 1994.
4. *IUFRO Guidelines for Designing Multipurpose Resource Inventories*. IUFRO World Series Vol. 8. Vienna, Austria. 216 p. 1998.

Personal sources:

Lund H.G. Personal communications (April 2019) at gyde@comcast.net

PERTTU, Kurth Lennart



Kurth Lennart Perttu received the IUFRO Distinguished Service Award in 1995 for his long-term leadership in IUFRO units on renewable energy sources based on biomass.

Kurth Perttu was born on 19 March 1937 in Tärendö, Sweden. He graduated (1964) and received a Licentiate of Philosophy (1969) from Uppsala University and a Ph.D. in Ecology and Biogeophysics (1982) from the Swedish University of Agricultural Sciences (SLU). He began his research career in a large climate project (1964–1968) and then became the leader of several significant projects involving both biological and meteorological aspects. In 1983, Dr. Perttu was appointed Associate Professor; in 2000 he became Professor in Forest Ecology with Emphasis on Biogeophysics, and served at the Department of Short Rotation Forestry until his retirement in 2002.

During the 1980s, Dr. Perttu focused his research on short rotation coppice (willows, poplars and alders), aiming to find scientific and economic reasons to substitute fossil fuels with renewable energy sources based on biomass. The research covered all relevant fields of biology, climatology, ecology, genetics, hydrology, meteorology, soil science and adequate practices, e.g., establishment, management and harvest of crops, and economics – market and social economy calculations.

During the 1990s, Dr. Perttu concentrated on applying willows as vegetation filters for the treatment of municipal wastewaters, municipal sludges and landfill leachates. In these and related areas, he has published 2 theses, 27 reviewed papers, 31 voluntary and invited conference papers, 44 University reports and 27 popular scientific papers as well as edited and co-edited 15 publications including 3 as guest editor of special editions of international journals. The short rotation coppice research has resulted in 10 PhD-theses, hundreds of scientific papers, and guidelines for farmers and users.

Dr. Perttu has been a member of WMO, IEA (bioenergy), IUFRO, FAO–IPC and made a significant input at the international level as a leader of three International Energy Agency (IEA) projects and a partner of four EU projects, as a member of a World Meteorological Organisation (WMO) working group on Forest Meteorology and the Forest-Atmosphere Interaction, as well as serving on various steering committees. He inspired a new working party (WP6) of the FAO–IPC and led it in 2004–2008.

Dr. Perttu served IUFRO as Deputy Coordinator and Coordinator of IUFRO unit S1.03-03 Global perspective on environmental influences (1977–1995), and organized and co-organized several international scientific symposia on topics in areas of his responsibility.

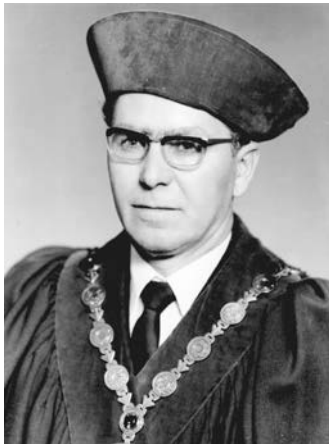
Selected research sources:

1. *Modelling of energy forestry. Growth, water relations and economics.* K.L. Perttu and P.J. Kowalik, eds. Simulation Monographs 30, Pudoc, Wageningen. 199 p. (Also published by International Book Distributors, Booksellers & Publishers, Dehra Dun, India). 1989.
2. IUFRO Centennial Issue Papers presented on global climate change and applied forest hydrology at the IUFRO Conference Berlin, Sept. 1992. K.L. Perttu, guest ed. *Agric. & F. Meteor.* 72(1–2): 1–166. 1994.
3. Ecological, biological balances and conservation. *Biomass & Bioenergy* 9(1–5): 107–116. 1995.
4. Environmental justification for short-rotation forestry in Sweden. *Biomass & Bioenergy* 15(1): 1–6. 1998.

Personal sources:

Perttu K.L. Personal communications (June 2019) at kurth2.perttu@hotmail.com

PRIESOL, Adolf



Adolf Priesol received the IUFRO Distinguished Service Award in 1995 for his long-term contribution to activities within Division 4.

Adolf Priesol was born on 20 September 1926 in Bystrá, in the district of Banská Bystrica, Czechoslovakia. He began his career as a Forest Trainee at the Forest District in Štiavnička (1941–1942). He then graduated as a Forestry Engineer from the State Higher Forestry School in Banská Štiavnica (1946), obtained his B.Sc. from the University of Agriculture in Brno (1947–1951), M.Sc. (1955) and Ph.D. (1958) in Forestry, and Habilitation (1960) from VŠLD – University of Forestry and Wood Technology (now Technical University, TUZVO – *Technická Univerzita vo Zvolene*) in Zvolen. Adolf Priesol worked as a forest trainee at the State Forests Directorate Revúca (1946–1947), a Forest Assistant (1951–1952) and Senior Engineer at the Forest Enterprise (1960–1962) of the University, where he also served as an Assistant (1955), Associate (1960), Adjunct (1969), full Professor (1975), and Professor Emeritus (2003). He greatly contributed to all his positions, working as Head of the Department of Forest Management (1961–1980), Dean of the Faculty of Forestry (1962–1964 and 1966–1971), and Rector of the school (1971–1990). His involvement in the building of a new Technical University in Zvolen (operated since 1984) is well known. Even after retirement in 1991, he continued working at the TUZVO externally.

Professor Priesol focused on a wide field of biometry, forest management and planning, tree mensuration and forest inventory methods, methods of estimation and management of quality of timber, logging and stand regeneration, and forests damaged by emissions. He authored and co-authored over 200 publications including over 120 scientific and technical articles, 11 books, 5 university textbooks, and many reports, translations, and reviews. Most of his research has found direct application in forestry practice. As a Corresponding Member of the Czechoslovak Academy of Sciences (ČSAV) and Academician of the Slovak Academy of Sciences (SAV), he served on numerous research advisory boards and other boards, including the Scientific Council he chaired at the Ministry of Forestry and Water Management. He initiated the establishment of a Committee for Forestry Science and contributed to the establishment of the SAV's Institute of Forest Ecology in Zvolen.

Professor Priesol actively collaborated in IUFRO, as Chairman of the unit S4.04.02 (1976–1980), as a country representative on the IUFRO International Council, and as organizer of several meetings under the auspices of the Union. Professor Priesol made many original contributions at scientific events, and lectured in many European countries and abroad, e.g., in Canada, Cuba, and Japan. His achievements were recognized locally, e.g., by City of Zvolen Lifetime Achievement Award, nationally, e.g., as *Zásluhy o výstavbu* (Merit for Construction), *Rád práce* (Excellence in Work), *Zaslúžilý učiteľ* (Merit Teacher), and internationally, e.g., by awarding him the title “doctor honoris causa” at the *Akademia Rolnicza* in Poznan (1989).

Academician, Professor Emeritus Adolf Priesol died on 4 May 2005 in Bratislava, at the age of 78.

Selected research sources:

1. *Základy kontroly produkcie v rámci hospodárskej úpravy lesov*. Bratislava, Vydavateľstvo Slovenskej akadémie vied. 131 p. [Fundamentals of Production Control in the Forest Management System]. 1961.
2. *Stromové rozstupy*. Bratislava, Veda. 182 p. (2d ed., 1983) [Tree Spacing]. 1978.

Personal sources:

1. URL: <https://www.tuzvo.sk/en/former-rectors> Adolf Priesol. Retrieved 12.04.2019.
2. URL: www.nlcsk.sk/files/3208.pdf by Štefan Šmelko. Retrieved 12.04.2019.
3. Paule L. Personal communications (May 2019) at paule@tuzvo.sk

SCHOLZ, Florian



Florian Scholz received the IUFRO Distinguished Service Award in 1995 for his contributions to the organization of genetic research within IUFRO and especially Division 7.

Florian Scholz was born on 11 April 1942 in Berlin, but he grew up near Göttingen and Lesum (near Bremen). From 1963 to 1971 he studied Wood Science and Biology, and obtained his M.Sc. degree (1971) at the University of Hamburg. In 1971, he began his professional career as a Researcher at the Institute for Forest Genetics and Forest Tree Breeding of the Federal Research Centre for Forestry and Forest Products (BFH, now Thünen-Institut) in Grosshansdorf near Hamburg. He then obtained his Doctorate degree (1975) from this Institute, in which he was appointed Director and Professor (1994). In addition, for a long time Dr. Scholz served as Head of the Department of Ecological Genetics there and delivered lectures on Forest Genetics and Ecological Genetics at the University of Hamburg and the *Eidgenössische Technische Hochschule Zürich* (ETH, Swiss Federal Institute of Technology in Zurich), Switzerland. His research and teaching gave substantial impulses to the discipline “Ecological Genetics” in Germany and Europe. Several of his students are now in senior positions at research institutes and universities.

Dr. Scholz’s research interests were in the field of stress resistance of tree species predominantly pines, the relations between tree physiology and genetics, and the impact of air pollution, climate change, and forestry on the genetic diversity of forests. In these and other related fields, he authored and co-authored more than 100 scientific papers, chapters, books and reports. Dr. Scholz helped build the global scientific community through participation in numerous national and international meetings and research projects including his membership in many professional societies and organizations. He served as a member of the Scientific Committees of EUFORGEN and other networks. He was also a member of the editorial boards of several scientific journals. A number of honours and awards have recognized his achievements.

Dr. Scholz was active in IUFRO for over 30 years. He was the founder and Coordinator of the WP Genetic Aspects of Air Pollution that is currently 7.01.04 (1976–2000) and was Deputy Coordinator of RG 7.01.00 Impacts of Air Pollution and Climate Change on Forest Ecosystems (2001–2006). He was co-editor of the book “Genetic Effects of Air Pollutants in Forest Tree Populations” (1989) that was mainly based on the work of his IUFRO unit and a conference organized in his Institute in August 1987.

Professor Dr. Florian Scholz passed away suddenly on 22 November 2006 in Essaouira, Morocco, at the age of 64.

Selected research sources:

1. *Genetic Effects of Air Pollutants in Forest Tree Populations*. F. Scholz, H. R. Gregorius and D. Rudin, eds. Springer-Verlag. viii, 201 p. 1989.
2. Zur Erhaltung genetischer Variation in Waldbaumpopulationen. *Forstwissenschaftliches Centralblatt vereinigt mit Tharandter forstliches Jahrbuch* 108(1): 204–211 (with Th. Geburek and B. R. Stephan) [Conservation of genetic variation in forest tree populations]. 1989.

Personal sources:

1. Degen B. and H.R. Gregorius (2007) Professor a.D. Dr. Florian Scholz gestorben. *AFZ, der Wald* 62(2): 93. 2007.
2. Karnosky D. and G. Müller-Starck (2007) Obituary. *IUFRO News* 36(1): 3. 2007.
3. Degen B. Personal communications (April 2019) at bernd.degen@thuenen.de
4. Scholz G. Personal communications (July 2019) at scholzlabenz@gmx.net

SEPPÄLÄ, Risto Juhani



Risto Juhani Seppälä received the IUFRO Distinguished Service Award in 1995 for his outstanding leadership as Chair of the IUFRO World Congress Organizing Committee.

Risto Seppälä was born on 20 September 1943 in Kouvola, Finland. He obtained his M.Sc. (1967), Licentiate (1969), and Ph.D. degrees in Social Sciences (statistics) (1971) from the University of Helsinki. In 1971–1972, he gained international experience within the post-doctoral program at the University of California–Berkeley, CA, USA. Dr. Seppälä began his career as a mathematician at the Finnish Forest Research Institute (*Metla*), working there from 1966 to 1972. In 1973, as a senior researcher, he moved for a while to the Academy of Finland, where he worked until 1975. From 1974, he has been an Adjunct Professor of Statistics at the University of Helsinki. Professor Seppälä has also been a Visiting Professor in the USA (1979–1980, 1989–1990) and the United Kingdom (1980).

In 1976, until his retirement in 2011, he worked at *Metla* as a Professor, being twice appointed as Research Director (1987–1988 and 1991–1994) and served as a chair of the Scientific Advisory Board (2000–2005). In 1976, he was elected as Head of the Department of Mathematics, and in 1986 an Academy Professor of the Academy of Finland. Starting with statistical methods, his research interests have from the mid-1970s focused on the long-term strategic problems of the forest sector and modelling, and systems analysis in general. He is one of the pioneers of future studies of the forest sector. In 1991, Professor Seppälä became a leader of a project aimed at establishing the European Forest Institute (EFI, est. 1993), and he served on the first Advisory Board (1994–2000) of EFI. He founded (1980) and led the first Forest Sector Project at the International Institute for Applied Systems Analysis (IIASA, Austria), where he also worked in the IIASA's Finnish Committee (1982–1997), heading it for 7 years, serving as a member of IIASA's Governing Council (1990–1998) and for several years – Chairman of the Finance Committee.

Professor Seppälä has many memberships and presidencies of national and foreign organizations, societies, councils, and editorial boards, including his membership in the Finnish Academy of Sciences and Letters (2001). Several national and international institutions have recognized his contributions to forest research development and teaching by rewarding him with honours. He holds honorary professorship and doctorates from the University of Helsinki (2002), Moscow State Forest University (2002), and Chinese Academy of Forestry (2004). He is the Commander of the Order of the Lion of Finland (2010).

From 1981, Professor Seppälä was active in IUFRO, being appointed as Coordinator of PG P4.10-00 Analysis of World Trade in Forest Products, and later serving Chair of the 20th IUFRO World Congress Organizing Committee (1995) in Tampere, where he was elected Vice President–Programmes (1996–2000), then IUFRO President (2001–2005). Professor Risto Seppälä was awarded with IUFRO Honorary Membership (2010).

Selected research sources:

1. *Systems Analysis in Forestry and Forest Industries*. TIMS Studies in the Management Sciences, Vol. 21. 487 p. (with Å. Andersson, M. Kallio and A. Morgan). 1986.
2. *The Finnish Forest Cluster at a Cross Road* (editor). Wood Wisdom. 138 p. 2000.
3. *Adaptation of Forests and People to Climate Change. A Global Assessment Report*. R. Seppälä, A. Buck and P. Katila, eds. IUFRO World Series, Vol. 22. 224 p. 2009.

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1. Seppälä, Risto Juhani. In: Teplyakov V. *Honorary Members of IUFRO: 1953–2017*. Vienna, p. 90–91. 2018.
2. Seppälä R. Personal communications (April 2019) at ristoiseppala@gmail.com

SIRÉN, Gustaf Emil



Gustaf Emil Sirén received the IUFRO Distinguished Service Award in 1995 for his active commitment to IUFRO and his long-term work as IUFRO officeholder.

Gustaf Sirén was born on 23 February 1920 in Nastola, Tavastia, Finland. He grew up in a family of five brothers and six sisters. As a war veteran, he earned his degrees at the University of Helsinki: M.Sc. Forestry (1947), the Licentiate (1952) and Doctorate in Agronomy and Forestry (1956). In 1957, Dr. Sirén was appointed as a Research Specialist of the Finnish Forest Research Institute (Metla) in Helsinki, and, *inter alia*, he ran “Operation Forest Border” a pine planting project in Lapland that had the help of dozens of scouts from Helsinki. From 1964 until his retirement in 1985, Dr. Sirén served as a Professor of Forest Regeneration at the then Stockholm School of Forestry, and from 1978 he was an Extraordinary Professor of Energy Forestry at the Swedish University of Agricultural Sciences (SLU). In parallel, he worked as an Extraordinary Professor of Forestry (1966–1973) at the University of Helsinki, for a number of years dividing his time between Finland and Sweden.

Professor Sirén started his research career in Finland on root systems development, dendroclimatology, and forest dynamics, starting his pioneering Nordic forest research in the field of forest regeneration and more intensive forest management in northern Finland. In Sweden, he has focused on mechanized regeneration technology and rationalization of forestry and forest management, and later was involved in the research on fast-growing deciduous species and energy forestry (bio-fuels) that began at the SLU’s in 1976 during the oil crisis. After his retirement, Professor Sirén returned to his original research on the forest border and on intensive forestry in northern Finland. His concentration on fast-growing forests resulted in the continued production of wood and expansion of nature conservation areas in the 2000s. He authored and co-authored many scientific papers, book chapters, books and reports on these issues, including the famous article of 1977 – Can we grow our energy? (*Kan vi odla vår energi?*).

Professor Sirén was internationally recognized from the beginning of his professional career as an expert of the UN FAO and the International Energy Agency (IEA), which aims to develop and improve energy cooperation between different countries. He was a member of scientific academies in Finland and Mexico, and in 1965 was elected as a foreign member in the Forest Division of the Royal Swedish Academy of Agriculture and Forestry (KSLA). Professor Sirén was a longstanding and active IUFRO officeholder. In 1981, he started and led IUFRO unit P1.09-00 Integrated Research in Biomass for Energy. He organized several international workshops and seminars on this issue and edited their proceedings.

Professor emeritus, Dr. Gustaf E. Sirén passed away in Stockholm on 11 May 2008, at the age of 88.

Selected research sources:

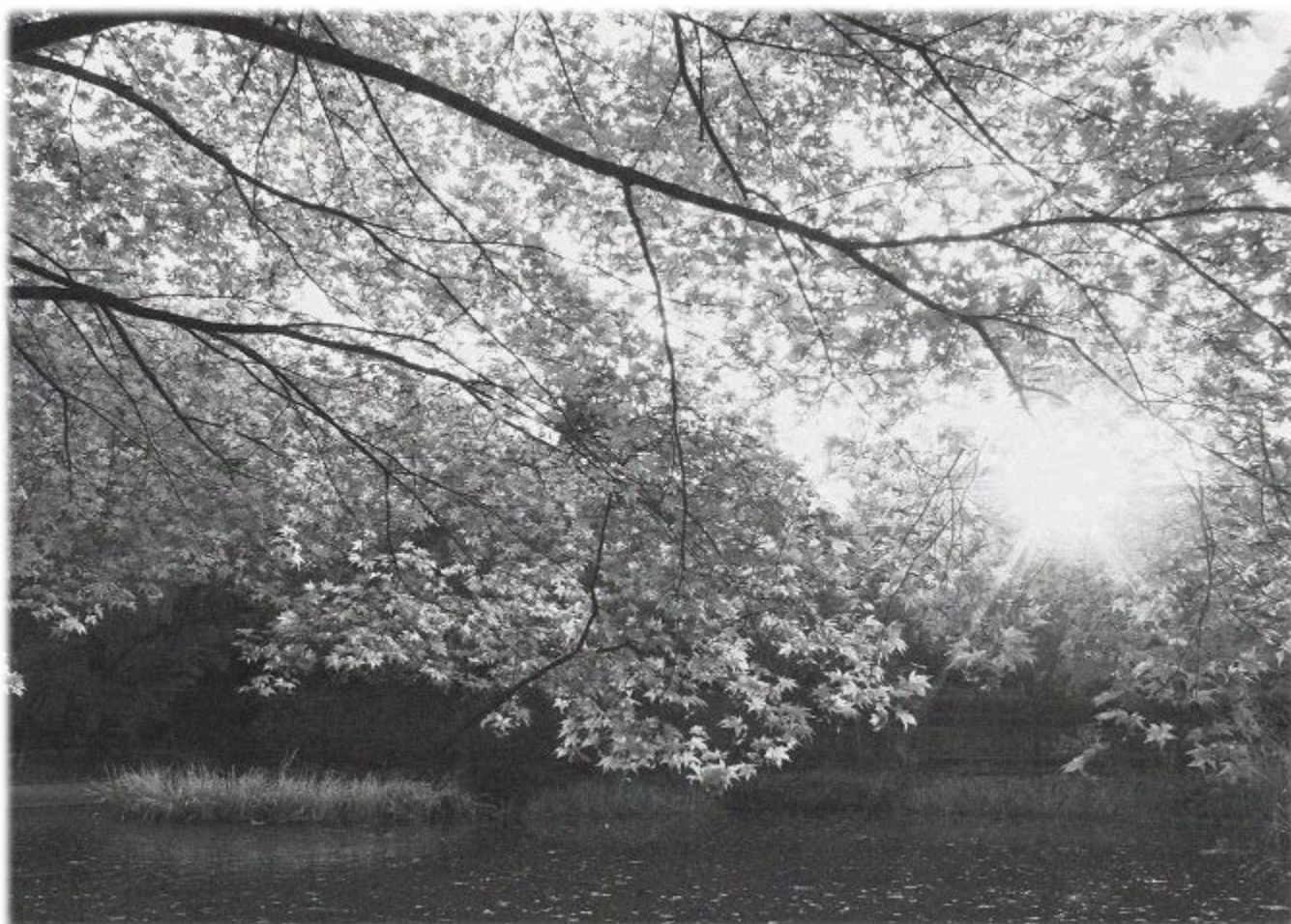
1. The development of spruce forest on raw humus sites in Northern Finland and its ecology. *Acta Forestalia Fennica* 62(4): 1–226. 1955.
2. *Energiskogsodling*. Stockholm, Nämnden för energiproduktionsforskning. 255 p. [Energy forestry]. 1983.
3. *Forest energy and the fuelwood crisis*. G. Sirén and C.P. Mitchell, eds. Proc. IUFRO PG P1.09.00 meeting in Uppsala, Sweden, June 8–9, 1984. SLU, 41. vi + 138 p. 1985.

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1. Nordansjö I. Gustaf Sirén. *Småskrifter* nr 9. Kungl. Skogs- och Lantbruksakademiens minnesord över ledamöter avlidna 2007–2008. Stockholm, p. 68–69. (photo). 2009.
2. Sirén S. Personal communications (August 2019) at samuelsiren@telia.com

1996 – 1999

<i>Maciej M. GIERTYCH</i>	<i>Poland</i>	<i>1996</i>
<i>H. Fred KAISER</i>	<i>USA</i>	<i>1996</i>
<i>Garth D. NIKLES</i>	<i>Australia</i>	<i>1996</i>
<i>Per Olov NILSSON</i>	<i>Sweden</i>	<i>1996</i>
<i>Ryszard SIWECKI</i>	<i>Poland</i>	<i>1996</i>
<i>Amantino R. de FREITAS</i>	<i>Brazil</i>	<i>1997</i>
<i>Robert A. PLUMPTRE</i>	<i>UK</i>	<i>1997</i>
<i>Helmut BRANDL</i>	<i>Germany</i>	<i>1998</i>
<i>Jiro KIKKAWA</i>	<i>Japan</i>	<i>1998</i>
<i>Csaba MÀTYÁS</i>	<i>Hungary</i>	<i>1998</i>
<i>Harold K. (Pete) STEEN</i>	<i>USA</i>	<i>1998</i>
<i>Simeun TOMANIĆ</i>	<i>Croatia</i>	<i>1998</i>



GIERTYCH, Maciej Marian



Maciej Marian Giertych received the IUFRO Distinguished Service Award in 1996 for his activity as chairman of the working party on growth processes in trees and leader of the physiology subject group.

Maciej Giertych was born on 24 March 1936 in Warsaw, Poland. He was exiled in 1945–1962 in the British zone of post-war Germany and then in the United Kingdom, obtaining a B.A. and M.A. in Forestry at Oxford University (1954) and then his Ph.D. in Tree Physiology at the University of Toronto (1962). After returning to Poland in 1962, he was appointed a Researcher at the Institute of Dendrology, Polish Academy of Sciences, Kórnik (near Poznań). He habilitated in tree genetics (1970), became an Associate Professor in 1981 and a Full Professor in 1989. He also lectured on population genetics at the N. Copernicus University in Toruń (1976–1993) and on forest genetics at forestry engineers' refresher courses organized by the Faculties of Forestry in Poznań, Kraków and Warsaw.

Dr. Giertych's major area of research is in the population genetics of forest trees. He has authored and co-authored more than 200 scientific publications as well as a number of publications and a film about evolution. From 1967 to 2007, Dr. Giertych was a member of the Forest Sciences Committee of the Polish Academy of Sciences. He was a member (1984–2001) then Vice-Chair (1993–2000) of the Forestry Council at the Minister of Environmental Protection of Poland. He served as a member of scientific councils of the Institute of Dendrology PAS (1962–2018), Forest Research Institute in Warsaw (1997–2002), Forest Gene Bank in Kostrzyca (since 1996) and Arboretum in Syców (since 1995). In 1998–2001, he was the delegate of the Institute of Dendrology to the European Forestry Institute (EFI). He was a member of the editorial board of *Arboretum Kórnickie* (now *Dendrobiology* 1970–1999), *Silvae Genetica* (Germany 1973–2001), and *Annales des Sciences Forestieres* (now *Annals of Forest Science*, France 1990–2001). He is also an Honorary Member of the Daylight Origins Society (United Kingdom) and of the Polskie Towarzystwo Leśne (Polish Forestry Association).

Dr. Giertych was involved in political life of Poland, serving as a member and Vice-Chair of the Primate Council (1986–1990) and a member of the Consultative Council of the Chair of the Council of State (1986–1989). In 1990–2002, he served as Chair of the National Party Council. Elected from the League of Polish Families (LPR), he became a member of the Sejm (Polish Parliament) where he served as Deputy Chair of the Committee on Environmental Protection, Natural Resources and Forestry (2001–2004). In 2004–2009, Dr. Giertych was a Member of the European Parliament. He has been President of the LPR Congress since 2012. From 1967, Dr. Maciej Giertych was active in IUFRO serving as Chair of the WG S2.02.11 Dormancy in Trees (1967–1975), and Deputy Leader and Leader of the SG S2.02 Tree Physiology (1976–1990). Acting in the SG S2.03 Genetics, he edited an international textbook on *Genetics of Scots Pine* (Elsevier 1991). In 1985–1995, he was the Polish representative on the IUFRO International Council. He participated in eight IUFRO Congresses from Munich (1967) to Kuala Lumpur (2000), including the IUFRO Centennial Congress in Berlin (1992).

Selected research sources:

1. Endogenous growth regulators in trees. *Botanical Review* 30(2): 292–311. 1964.
2. Summary results of the IUFRO 1938 Norway spruce (*Picea abies* (L.) Karst.) provenance experiment. Height growth. *Silvae Genetica* 25(5–6): 154–164. 1976.
3. Height growth variation in a comprehensive Eurasian provenance experiment of (*Pinus sylvestris* L.). *Silvae Genetica* 46(6): 332–349. (with A.M. Shutyaev). 1997.

Personal sources:

1. Maciej Marian Giertych https://en.wikipedia.org/wiki/Maciej_Giertych Retrieved 20.03.2019.
2. Giertych, Maciej M. Personal communications (March 2019) at giertychmaciej@gmail.com

KAISER, Harold Fred



Harold Fred Kaiser received the IUFRO Distinguished Service Award in 1996 for organization of work and leadership as Division Coordinator.

H. Fred Kaiser was born on 2 June 1939 in Chicago, Illinois, USA. After finishing Lane Technical High School in Chicago, Illinois, USA in 1957, Fred went to work for the U.S. Forest Service in northern Idaho, USA where he became interested in pursuing a professional forest management career. He then consecutively obtained his B.Sc. in Economics (1961), B.Sc. in Forestry (1964) and M.Sc. in Forestry (1965) from Iowa State University in Ames, and then his Ph.D. in Forest Economics (1968) from Michigan State University in East Lansing.

In 1968 Dr. Kaiser began his professional forestry career as Research Forester at the U.S. Forest Service Office in New Orleans, Louisiana where he conducted forest economic research on southern forest management and then in Lincoln, Nebraska where he conducted research on the management of the Nation's forest and range. He then moved to the USFS Headquarters in Washington, D.C. where he was appointed as an Economist for the Resources Program Assessment Staff (1974) and progressed to the Director of Policy Analysis (1982) and Director of the Forest Resources and Economics Research (1984), where he led research programs for forest products, forest inventory, economics, social and urban forestry and many other responsibilities until his retirement from his governmental position in 2005.

Since then Dr. Kaiser has conducted Certification Audits for the Forest Stewardship Council (FSC) and Sustainable Forestry Initiative (SFI) for their Sustainable Forest Conservation Programs in the eastern United States, and collaborates with George Mason University on climate change, sustainable forestry and wildlife management. His research resulted in over 80 research papers, book chapters and reports that suggested ways to improve forest, range and recreation management.

Dr. Kaiser began his active collaboration with IUFRO in 1974 by presenting papers for the WG 6:11.03. He then participated in several IUFRO Congresses, and served as Coordinator of Division 4 Planning, Economics, Growth and Yield Management and Policy (1987–1990), Division 6 Social, Economic, Information, and Policy Sciences (1991–1995) and member of the IUFRO Board (1987–1995). Dr. Kaiser organized or co-organized numerous IUFRO meetings including a milestone Divisional Meeting on climate change in Venice, Italy (1991). He organized many meetings and edited their proceedings with IUFRO Division 4.

Selected research sources:

1. *Input–Output analysis on the southern forest economy.* USDA FS Res. Paper SO 43. 22 p. 1969.
2. *Structure and change in southern forest economy.* USDA FS Res. Paper SO 71. 19 p. (with G. Dutrow). 1971.
3. *Forest-range environmental production analytical system.* USDA Handbook Number 430. 1972.
4. *Research Today for Tomorrow's Forests: Proceedings for outdoor recreation economics.* E. Gundermann, H. F. Kaiser, comp. 17th IUFRO World Congress, Kyoto, Japan, 6–12 September 1981. 157 p. 1981.
5. *Proceedings of the 18th IUFRO World Congress for Economic Value Analysis of Multiple Use Forestry.* H.F. Kaiser, P.J. Brown, comp. IUFRO Work Project 4.08.00 and Section 6.01.00. OSU, Corvallis, OR, USA, 1987. v, 281 p.

Personal sources:

Kaiser, Harold F. Personal communications (May 2019) at hfredkaiser@yahoo.com

NIKLES, Donald Garth



Garth Donald Nikles received the IUFRO Distinguished Service Award in 1996 for his co-founding and longstanding co-leadership, with Dr. Jeff Burley, of the first IUFRO Working Party focused completely on the tropics. It was established in 1972 following the 15th IUFRO Congress in the USA (1971).

Garth Nikles was born on 17 February 1933 in Warwick, Queensland, Australia. He earned his B.For.Sc. (University of Queensland, 1955), Dip.For. (Australian Forestry School, Canberra, Australia, 1955) and Ph.D. in Tree Breeding (North Carolina State University, Raleigh, 1966). In 1955 he began his 45-year, pre-retirement professional career as Assistant Silviculturist, Queensland Department of Forestry. Garth was appointed Officer in Charge, Tree Breeding (1958) located at Beerwah, Queensland and, following conspicuous achievements in genetic improvement of plantation species, as a Senior Principal Research Scientist (Tree Breeding) in the Department's Forest Research Institute (QFRI) at Indooroopilly, Queensland. After retirement in 2000 and until the present, Garth expanded his activities in Tree Improvement as an Associate then Volunteer in the Queensland Department of Agriculture and Fisheries (DAF), Horticulture and Forestry Science.

Dr. Nikles and his teams have undertaken research and development in forest tree genetic improvement with hoop pine (*Araucaria cunninghamii*), a number of tropical pines and hybrids (especially *Pinus elliottii*, *P. caribaea* and their F1 and F2 hybrids), several *Acacia*, *Eucalyptus* and *Corymbia* species and hybrids, teak (*Tectona grandis*) and African mahogany (*Khaya senegalensis*). He has undertaken many consultancies and given training courses both in Australia and overseas. He has authored or co-authored many conference or scientific papers and book chapters, and edited numerous conference and journal papers. He has led or co-authored improvement strategies and implementation plans for several tree species.

Dr. Nikles has been a Keynote Speaker at several national and international conferences. He co-supervised several successful Ph.D. students. He was a member of the Institute of Foresters of Australia (receiving its Jolly Medal in 1983) and on the editorial board of *Bois & forêts des tropiques* since 2010. Dr. Nikles has received many awards since 1950 for his early academic promise and later dedication to tree improvement, including a Ford Foundation Fellowship and a Fulbright Scholarship (1963), Rockefeller Foundation Travel Grant (1964–1965), IUFRO DSA (1996), Public Service Medal, Australia (1999), CFA Asia-Pacific Regional Medal (1999), and a shared IUFRO World Congress Host Country Scientific Award (2005).

Selected research sources:

1. *Tropical provenance and progeny research and international cooperation*. J. Burley, and D.G. Nikles, eds. Proc. of a joint meeting of IUFRO WPs S2.02.08 and S2.03.01, held in Nairobi, Kenya, October 1973. Oxford, U.K.; Commonwealth Forestry Institute. 613 p.
2. *Tree improvement for sustainable tropical forestry*. M.J. Dieters, A.C. Matheson, D.G. Nikles, C.E. Harwood and S.M. Walker, eds. Proc. of QFRI–IUFRO Conference, Caloundra, Queensland, Australia, 27 Oct.–1 Nov. 1996. Queensland FRI, Gympie. Vol. 1, pp. 1–271, Vol. 2 pp. 272–536.
3. Nikles, DG *et al.* 2016, pp. 169–188. In: J. Meadows, S. Harrison, and J. Herbohn, eds. 2016. *Small-scale and Community Forestry and the Changing Nature of Forest Landscapes*. Proc., IUFRO RG 3.08 Small-scale Forestry Conference held on the Sunshine Coast, Queensland, Australia, 11–15 Oct. 2015, 214 p.

Personal sources:

1. IUFRO World Congress Host Country Scientific Award 2005. IUFRO News, Vol. 34, Special Awards Issue, p. 6. 2005.
2. Nikles D.G. Personal communications (May 2019) at Garth.Nikles@daf.qld.gov.au

NILSSON, Per Olov



Per Olov Nilsson received the IUFRO Distinguished Service Award in 1996 for his contribution to IUFRO research on forest technology and bioenergy and as Coordinator of Division 3.

Per Olov Nilsson was born on 30 April 1936 in Bromma (Stockholm), Sweden. After receiving his high school certificate 1955, and military training, he fulfilled the forestry practice required for the Master of Forestry exam he obtained from *Skogshögskolan* (The Royal College of Forestry) in 1963. That same year he began his professional career as a researcher at *Skogshögskolan* and reached the Licentiate degree by studying how root rot spreads after mechanical damage to Norway spruce roots, a problem that increased when tractors replaced horses in the forest. When he was a Researcher at *Forskningsstiftelsen Skogsarbeten* (the Forestry Research Institute of Sweden), he focused on mechanization of thinning. In 1972, Per Olov Nilsson was appointed as a Professor of Forest Operations, Engineering and Management at *Skogshögskolan*. In 1987, he became an SLU Professor in Forestry Energy System, a position he held until his retirement in 2001 as Professor Emeritus, but he remained active after stepping down from his position at SLU.

The World oil crisis of 1973 was a turning point in his career that shifted his interest mostly to research on forests as a source of energy, and he started leading projects on whole-tree harvesting with the aim of using woody biomass including treetops, branches and stumps. He built a wide network of experts and Swedish high-level politicians and elaborated numerous successful research and development projects on improved biomass utilization and use of solar energy. He authored, co-authored and edited numerous research and technical publications including reviews about the Swedish energy system in 1984 and others. Dr. Nilsson was a member of the *Akademien för de friska källorna* (the Academy of the Fresh Water Sources). He served as a Chairman of the IEA Forestry Energy Harvesting Programme.

Per Olov Nilsson was a long-standing IUFRO Officer. After the 1976 Congress in Oslo (1976), he served as WP Leader in Division 3 – WLS 3.01.01 Harvesting machines (1977-1981) and SG Leader SLS3.01.00 Tree harvesting (1982-1986), and as Coordinator of IUFRO Division 3 Forest Operation and Techniques (1987-1995). He contributed in an exceptional way to forest energy research and exchange of information between scientists all over the world. He was co-organizer of many national and international conferences, seminars and workshops, such as Joint IEA/IUFRO Forestry Energy Workshops (1980, 1985), Harvesting and utilization of wood for energy purposes (1981) and many other.

Dr. Per Olov Nilsson passed away on 23 March 2016 in Hedemora, Sweden, just before his 80th birthday.

Selected research sources:

1. *Översiktlig beräkning av tillgänglig mängd skogsavfall*. PHU Rapport 46, 36 p. (with B.-O. Danielsson). [Survey of availability of forest residues]. 1977.
2. *Research in Forestry for Energy*. C.P. Mitchell, P.O. Nilsson & L. Zsuffa, eds. Proc. of the joint IEA/Forestry Energy Progr. and FAO/Coop. Network on Rural Energy. Rungstedgaard, Denmark, 28-30.10.1985. Vol. I, 243 p.; Vol. II, 215 p. Sveriges Lantbruksuniversitet, Inst. Skogsteknik. Rapporter och Uppsatser 49, 1986.
3. *Biomassaflöden i svensk skogsnäring 2004*. Skogsstyrelsen, rapport 23, 22 p. [Biomass Flows in Swedish Forestry 2004]. 2006.

Personal sources:

1. Kardell, L., Lönner, G. and Ager B. Dagens Nyheter, 2016-06-23. Per Olov Nilsson. <https://www.dn.se/arkiv/familj/per-olov-nilsson/> Retrieved 24.01.2020.
2. Nilsson A.-H. Personal communications (January 2020) via Prof. Björn Hånell at Bjorn.Hanell@slu.se

SIWECKI, Ryszard



Ryszard Siwecki received the IUFRO Distinguished Service Award in 1996 for his long-term activity as Working Party chairman and Deputy Coordinator of Division 2.

Ryszard Siwecki was born on 24 March 1939 in Radomsko, Poland. He studied Forestry and specialized in Forest Protection at the University of Agriculture in Poznań (1953–1961). Simultaneously, he studied Urban Planning and Spatial Planning at the Poznań University of Technology (1954–1962). He obtained a Ph.D. in Forest Sciences from the University of Agriculture in Poznań (1969) and habilitated at the Institute of Applied Biology at the Poznań Agricultural Academy (1976). In 1977, he was appointed as an Associate Professor at the Institute of Dendrology of the Polish Academy of Sciences (ID PAS) where he also served as Deputy Director for Science (1980–1982), and was promoted to Full Professor (1994). From the fall of 1961, he worked as an Assistant at the ID PAS Arboretum and Acclimatization Laboratory of Trees and Shrubs, advancing his knowledge in phytopathology. In 1965, he established a Laboratory on Phytopathology.

Dr. Siwecki authored and co-authored about 250 scientific papers, book chapters and reports on the health condition of trees, methods of their protection, care and treatment that were published in national and foreign journals and by publishing houses. He was a member of the Scientific and Technical Council of the Minister for Forestry and Wood Industry of Poland (1982–1985). He was also a Chair of the Section of Woody Plant Diseases at the Polish Phytopathological Society. At an international level, Dr. Siwecki was a member of the UNESCO Man and the Biosphere National Committee for Poland. Dr. Siwecki was active in IUFRO for a long time. He participated in a number of IUFRO Congresses, served as IUFRO Working Party S2.06.06 Vascular Wilt Disease, and as Deputy Coordinator of Division 2 (1990–1995). He was one of key co-organizers of several IUFRO meetings in Poland as well as the XXVIII meeting of the IUFRO Executive Board that was held on August 27–28, 1992 in Puszczykowo and in Kórnik.

Professor Ryszard Siwecki passed away on 5 December 2002 in Rogów. Until his last days, he was involved in the social life of Kórnik including as a Vice-Chair of the City's Council (1983–1986). The City Council passed a resolution on March 27, 2013 naming a street in the town of Kórnik after him. On December 29, 2003, a natural monument to Professor Ryszard Siwecki, the Hornbeam Walk became a protected area in Kołobrzeg by Resolution of the Town Council.

Selected research sources:

1. *Scots Pine Diseases*. Proc. of an Intern-I Symp., Kornik, Poland, 16–20, May 1989. Joint meeting: 7th European Colloquium of Forest Pathologists and the members of two IUFRO WPs S2.05.04 and S2.06.02. T. Kurkela and R. Siwecki, eds. Bull. of the Finnish For. Res. Institute, 360. 218 p. 1990.
2. *Oak Decline in Europe*. Proceedings of an International Symposium, Kornik, Poland, May 15–18, 1990. Under the auspices of the IUFRO Working Party S2.06.06 Vascular Wilt Disease. R. Siwecki and W. Liese, eds. Polish Academy of Sciences, Institute of Dendrology, Kornik, Poland. 360 p. 1991.
3. *Reakcje biologiczne drzew na zanieczyszczenia przemysłowe: III Krajowe Sympozjum Kórnik, 23–26 maja 1994*. Materiały. T.1. R. Siwecki, red. [Biological reaction of trees to industrial pollution: III National Symposium. Kórnik, 23–26 May 1994. Vol. 1. R. Siwecki, ed.] Poznań. 347 p. 1996.

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2. Ratajczak M. Wspomnienie o Profesorze Ryszardzie Siweckim (1939–2002). *Kórniczanie*, 9 listopada 2012, 19(396): 11–12. [Remembrance about Professor Ryszard Siwecki (1939–2002)]. Photo. 2012.
3. Giertych M. Personal communication (March 2019) at giertychmaciej@gmail.com

de FREITAS, Amantino Ramos



Amantino Ramos de Freitas received the IUFRO Distinguished Service Award in 1997 for his outstanding promotion of IUFRO in developing countries.

Amantino Ramos de Freitas was born on 28 September 1940 in Itapeva, SP, Brazil. He earned a B.Sc. degree in Civil Engineering at *Escola Politécnica da Universidade de São Paulo* (1963), a M.Sc. in Forestry at the University of Washington, Seattle, USA, (1966) under a Fulbright scholarship, and a Ph.D. in Civil Engineering at Virginia Tech, Blacksburg, USA, (1978) under a Brazilian National Research Council (CNPq) grant. He began his professional career as an assistant engineer at the Wood Preservation Section of the State Institute for Technological Research – IPT's Wood Division, São Paulo, (1964) and then served in various senior positions, including President of the Brazilian Wood Preservers' Association – ABPM (1972–1973, 1975–1976, 1990–1992), Director of the Division of Forest Products, Textiles and Leather (1976–1996) at the IPT, São Paulo, Founding Member and Director of the Fernand Braudel World Economy Institute (1987–1989), President, Brazilian Society for Silviculture (1988–1991, 2012–present), President, CPTI Technology & Development (1996–2004), and Director of the Brazilian Federation of Work Cooperatives – CEBRACOOP (1999–2002), amongst others.

Dr. de Freitas has also served in technical and professional associations, such as the Forest Stewardship Council – FSC, Bonn, where he was a founding member and elected to the first board, and was a founding member of the *Conselho Brasileiro de Manejo Florestal* – FSC/Brazil. He is a member of various organizations, including the Forest Products Society (since 1966), USA, and of the International Academy of Wood Science, IAWS, Hamburg, and holds an honorary membership in the Brazilian Wood Preservers' Association, São Paulo, and in the Brazilian Association of Mechanically Processed Wood – ABIMCI, Curitiba. He provided consultancy to various national and international bodies including the Brazilian Ministry for the Environment, International Paper Brazil, World Bank, ITTO, FAO/UNIDO, Rainforest Alliance, Tropical Forest Trust and many others.

Dr. de Freitas has authored and co-authored about 70 papers on wood utilization and silviculture. He has been invited to make keynote speeches and presentations at national and international scientific congresses, conferences, and other symposia held in the Americas, Europe and Asia. He has been the organizer and co-organizer of about 20 international congresses, including the XVI IRG Annual Meeting (1985) in Guarujá, Brazil.

Dr. de Freitas served as Coordinator of Division 5 Forest Products (1991–1995) and organized several major Divisional meetings including the All-IUFRO Division 5 Conference in São Paulo, Brazil, (1988) and in Nancy, France (1992). He was a guest speaker at the *I Congreso Latinoamericano de IUFRO* in Valdivia, Chile (1998).

Selected research sources:

1. *Probabilistic approach in the design of wood structures in Brazil based on the variability of 23 species*. Ph.D. thesis. Virginia Tech, Bulletin no. 159. 80 p. 1978.
2. *Improved utilization of timber resources in South America: a programme for action*. A. R. de Freitas, W.G. Kauman, and R. L. Youngs, comps. Paris, France; Centre Technique du Bois et de l'Ameublement, IUFRO PG P 5.01 Properties and Utilization of Tropical Woods. 161 p. 1986.
3. Strengthening of forestry research in Brazil. In: *Proceedings of the Meeting of Experts on Forestry Research*. Rome, October 12–14, 1992. FAO Forestry Paper 110, pp. 57–59. 1992.

Personal sources:

de Freitas A.R. Personal communications (May 2019) at amantino@aol.com

PLUMPTRE, Robert Aubrey



Robert Aubrey Plumptre received the IUFRO Distinguished Service Award in 1997 for research and Divisional development on tropical timber properties and use.

Robert Plumptre was born on 23 November 1931 in Rajkot, India. He received his B.A. in Forestry (1954) and M.Sc. on the structure and properties of tropical timbers (1972) from the University of Oxford, U.K. After military service, he began his forestry career with the Uganda Forest Department, Entebbe, as a Forest Officer (1957–1963) and then as Forest Utilization Officer (1963–1971).

In 1971 he moved to the United Kingdom, where he was appointed as a Senior Research Officer at the Oxford Forestry Institute (OFI), University of Oxford, where he worked for 25 years until his retirement in 1996.

After retirement, Mr. Plumptre led an active public life as Director of two charitable organizations – Food for the Hungry UK (1992–2009) and Action for Peoples in Conflict International in the UK Ltd. (1997–2006), both located in Abingdon, Oxon, U.K.

Mr. Plumptre's research interests have been in the field of forest ecology and the role of silvicultural techniques including methods of thinning on wood quality, anatomy, mechanical properties and utilization of the wood of tropical tree species. He pioneered research on the use of solar power to dry sawnwood from 18% to 12% to prevent warping in furniture making. He built commercial solar dryers in Cumnor and Eynsham near Oxford in addition to Ghana.

Mr. Plumptre has authored and co-authored more than 100 research papers, book chapters, books and other publications in scientific and professional journals, including *Commonwealth Forestry Review and International Wood Products Journal* as well as in the series *Tropical Forestry Papers* (TFP) published by the Commonwealth Forestry Institute (CFI).

Mr. Plumptre has been a Fellow of the U.K. Institute of Wood Science (now Wood Technology Society) and a member of the Commonwealth Forestry Association. He actively participated in the World Forestry Congress in Jakarta (1978). In IUFRO he supported the creation and activities of a number of Working Groups in Division 5.

Mr. Robert A. Plumptre died on 13 October 2023, at the age of 91.

Selected research sources:

1. Pruning of fast growing pines for wood uniformity: can you have your cake and eat it? *Com. For. Review*, 1979, 58: 181–189.
2. *Pinus caribaea. Vol. II: Wood Properties*. TFP No. 17. CFI, University of Oxford, UK. 164 p. 1984.
3. *The Uganda Timber Users' Handbook*. Commonwealth Secretariat. 136 p. (with P.W. Kityo). 1997.
4. Witness to history: A history of forestry at Oxford University. *British Scholar* 1(2): 236–61. (with J. Burley, R.A. Mills, P.S. Savill, P.J. Wood and H.L. Wright). 2009.

Personal sources:

1. URL: https://prabook.com/web/robert_aubrey.plumptre/3495673 Retrieved 06.05.2019.
2. Plumptre R.A. Personal communications (May 2019).

BRANDL, Helmut



Helmut Brandl received the IUFRO Distinguished Service Award in 1998 for his outstanding and long-lasting input into IUFRO activities, especially on small-scale forestry and forest history.

Helmut Brandl was born on 28 September 1937 in Nürnberg, Germany. After finishing High School Stuttgart (1957) and substitute military service dealing with childcare (1957–1958), he studied Forest Science at the University of Freiburg and University of Munich (1958–1962), earned his Dipl.-Ing. in Forestry (1962) with excellence, and in 1970 obtained his Ph.D. (*Summa cum laude*) and habilitation (1977) from Albert Ludwig University of Freiburg. Helmut Brandl began his professional career as a Forest Referent at the Baden-Württemberg State Forest Administration (1962–1965). In 1965, he passed the Great Forest State Examination in Baden-Württemberg and proceeded as a Researcher (1969–1976) and from 1983 as a Head of the Department of Forest Economics at the *Forstliche Versuchs- und Forschungsanstalt Baden-Württemberg* (Forest Research Institute, FVA Ba-Wü) in Freiburg until his retirement in 2002. From 1977 to 1982, Dr. Brandl also served as a Head of the State Forestry Office Neckargemünd, Baden-Württemberg. After habilitation, Dr. Brandl delivered lectures on Forest History and Forestry Business Management at the Albert Ludwig University and in 1986 became a Professor.

Dr. Brandl's major research interests were focused in the field of general forestry, afforestation, forest recreation, forestry economics, forest management and policy, and many other areas. He made a special contribution to forest history and the development of small-scale forestry. In these and related areas he published 107 scientific articles, book chapters, books, edited proceedings and other papers. He has served as an editor of the proceedings of IUFRO meetings and as a member of the editorial board of the *Mitteilungen der Forstlichen Versuchs- und Forschungsanstalt Freiburg* (Communications of the Forest Research Institute Freiburg). Professor Brandl was a member of several professional societies including *Deutscher Forstwirtschaftsrat* (German Forestry Council).

Professor Brandl founded and became the first Coordinator of IUFRO PG 3.04.00 (1986-1995) and then RG 3.08.00 Small-scale forestry (1996-2000). Between 1988 and 2005, some 16 meetings of the Group were held in 11 countries with over a thousand participants representing 56 countries from all continents. A new journal *Small-scale Forestry Economics, Management and Policy* (now *Small-scale Forestry*) attributed to this Group was established (2002), and the first issue was dedicated to the contribution of Professor Brandl in this area of research. The Brandl Award was established and first given by IUFRO in 2008.

Prof. Dr. Helmut Brandl died in Freiburg on 23 September 2023, shortly before his 86th birthday.

Selected research sources:

1. Der Stadtwald von Freiburg - eine forst- und wirtschaftsgeschichtliche Untersuchung über die Beziehungen zwischen Waldnutzung und wirtschaftlicher Entwicklung der Stadt Freiburg vom Mittelalter bis zur Gegenwart. Freiburg: Dissertation Universität Freiburg i. Br., Wagner. 259 S. [The city forest of Freiburg - a forest and economic historical investigation over the relations between forest use and economic development of the city of Freiburg from the Middle Ages to the present]. 1970.
2. Die Bedeutung der Holznutzung für den CO₂ Haushalt. *Allgemeine Forstzeitschrift*, 51: 573–576. [The importance of using wood for the CO₂ budget]. 1996.
3. The Small-scale Forestry Group 1986-2006: an overview on the group activities during the last 20 years. *Small-scale Forestry*, March, 6(1): 1-18. 2007.
4. Experiences in collecting data on farm forest enterprises over more than three decades. *Small-scale Forestry*, June, 10(2): 135–147. 2011.

Personal sources:

Brandl H. Personal communications (November 2019) at brandl-freiburg@gmx.de

KIKKAWA, Jiro



Jiro Kikkawa received the IUFRO Distinguished Service Award in 1998 for his significant input to IUFRO in the field of ornithology research in Australia and Oceania.

Jiro Kikkawa [橘川 次郎] was born on 15 December 1929 in Yokohama City, Japan. He earned his B.Sc. in Marine Biology at Tokyo University of Fisheries (1950) and D.Sc. in Zoology at Kyoto University (1961). He began his career as a Technical Officer in the Japan Ministry of Agriculture and Forestry (1950–1953), undertook postgraduate study at Kyoto University (1954) and University of Oxford, UK (1955–1957) on a British Council Scholarship. His teaching career began at the University of Otago, Dunedin, Otago, New Zealand (1958–1961). He then moved to Australia, where he was a Temporary Lecturer at the University of New England, Armidale (1961–1964), Senior Lecturer in Zoology at the University of Queensland (1965–1979), progressed to Professor and Head of Department of Zoology (1980–1988) and retired as the UQ Emeritus Professor. Dr. Kikkawa's primary research interests were in ornithology, especially in the behavioral ecology of Silvereyes and other species of *Zosterops* on the offshore islands of the Great Barrier Reef. He was also well-known for his research on the biogeography of Australian rainforest birds. He authored and co-authored more than 150 published scientific papers and books' reviews; he also translated and edited several books and proceedings of scientific meetings.

In 1961, Dr. Kikkawa joined the Royal Australasian Ornithologists Union (RAOU), served as a member of its Taxonomic Committee and the editorial board of the RAOU journal *Emu*. He was the First Director of the CRC for Tropical Forest Ecology, north Queensland, a founding member of Queensland Ornithological Society (Birds Queensland), its President (1972–1975) and an Honorary Life Member as well as a President of Ecological Society of Australia (1974–1976). For his exceptional work on birds and bird community conservation in Australasia and Oceania, Professor Kikkawa was awarded with a Gold Medal, Ecological Society of Australia (1986), Order of Australia Medal (1999), D.L. Serventy Medal by Birds Australia (1999), and the 18th Yamashina Yoshimaro Award by Yamashina Institute for Ornithology (2014).

Dr. Kikkawa was active in IUFRO and participated in many IUFRO Congresses, starting from 1967 in Munich, Germany. He served as Deputy Coordinator of IUFRO Division 1 Forest Environment and Silviculture (1991–1995), organized several IUFRO meetings in Australia including a IUFRO–SPDC fundraising meeting, and chaired the BioREFOR–1997 organizing committee, editing its proceedings (1985, 1997). He has also represented IUFRO at various meetings including the 18th Session of the IUCN GA (1990) and others.

Professor Jiro Kikkawa passed away on 30 May 2016 in Brisbane, Australia, at the age of 86. To honour his memory, Birds Queensland established the Jiro Kikkawa Research Award to recognize research that best supports and advances bird conservation. The Award was delivered in 2018 for the first time.

Selected research sources:

1. *The behaviour of animals*. Taplinger Pub. Co., New York. 223 p. (with M.J. Thorne). 1972.
2. Ecological association of birds and vegetation structure in wet tropical forests of Australia. *Austral Ecology* December, 7(4): 325–345. 1982.
3. *Conservation Biology in Australia and Oceania*. C. Moritz and J. Kikkawa, eds. Chipping Norton, Surrey Beatty & Sons. 403 p. 1993.

Personal sources:

1. Walker R. Kikkawa, Jiro (1929–2016). <http://www.eoas.info/biogs/P003160b.htm> Retrieved 2018-09-21.
2. Kazuhiro Eguchi. Personal communication (May–June 2019) at silasinkengesak16@gmail.com
3. Kikkawa N. Personal communications (May–June 2019) at kikkawa.naoko@gmail.com

MÁTYÁS, Csaba



Csaba Mátyás received the IUFRO Distinguished Service Award in 1998 for his pioneering work in ecological genetics of forest trees.

Csaba Mátyás was born on 15 July 1943 in Marosvásárhely, Hungary (now Târgu Mureș, Romania). He graduated in Forest Engineering in 1967 at the University of Technology, Dresden, Germany. In 1987, he received Dr. Sci. agr. degree from the Hungarian Academy of Sciences and was elected corresponding (2004), and full member (2010) of the Academy. He was an invited scientist at the University of Toronto, Canada (1984–1985), and Fulbright Professor at the Institute of Forest Genetics, Placerville, USA (1994–1995).

Csaba Mátyás began his scientific career in 1967 in the Hungarian Forest Research Institute (ERTI) as research fellow and head of the Forest Tree Seed Laboratory in Sárvár. In 1975 he took over the Kámon Arboretum for conifer breeding in Szombathely. In 1987, Dr. Mátyás was appointed as professor at Sopron University and served as head of the Institute of Plant Sciences and as vice rector for scientific affairs. In 1997, he founded the Institute of Environmental and Earth Sciences and in 2008 the Earth Science Center for Southeast Europe of NEESPI. Since 2013, he has been active as professor emeritus.

Dr. Mátyás' research interests are in the field of population and conservation genetics of forest trees, with a focus on the response of forest tree populations to changing climate and the limits to their potential to adapt. He played a decisive role in founding the Europe-wide conservation network of forest genetic resources (EUFORGEN). His approach of analyzing provenance tests to project effects of climate change on forest trees has been applied worldwide. He has published over 300 scientific and technical papers and books.

Starting in 1976, Dr. Mátyás served IUFRO as Subject Group leader, then Deputy Coordinator for Genetics in Division 2 (2000–2005). He organized the 4th World Consultation on Forest Genetics under the auspices of IUFRO and FAO in Beijing, China, in 1988.

Dr. Mátyás has been a member of numerous scientific committees in the field of forest genetics and conservation. In Hungary he served as member and chair of the Committee of Forestry Science, and of Plant Genetic Resources Conservation. He was founding editor of *Acta Silvatica & Lignaria Hungarica* and editorial board member of *Silvae Genetica*, *Forest Genetics*, *Annals of Forest Sciences* and other journals. Dr. Mátyás received in 2013 the Cross of Merit from the Hungarian Government for his scientific and educational activities.

Selected research sources:

1. *Genetics of Scots Pine*. Giertych, M. & C. Mátyás, eds., Vol.3. Elsevier Science. 280 p. 1991.
2. *Perspectives of Forest Genetics and Tree Breeding in a Changing World*. C. Mátyás, ed., IUFRO World Series, Vol. 6. IUFRO, Vienna. 158 p. 1997.
3. *Forest Genetics and Sustainability*. C. Mátyás, ed., Kluwer Acad. Publ., Dordrecht. 290 p. 1999.
4. *Erdészeti – természetvédelmi genetika*. C. Mátyás, Budapest, Mezőgazda Könyvkiadó Kft. 442 p. [Forest and conservation genetics]. 2002.
5. *Forests and Climate Change in Eastern Europe and Central Asia*. C. Mátyás, ed. FAO Forests and Climate Change Working Paper, Vol. 8, FAO, Rome. 189 p. 2010.

Personal sources:

1. URL: Csaba Mátyás http://kfi.emk.uni-sopron.hu/en_GB/csabamatyas Retrieved 10.04.2019.
2. Mátyás C. Personal communications (April 2019).

STEEN, Harold (Pete) Karl



Harold Karl Steen received the IUFRO Distinguished Service Award in 1998 for his long and outstanding leadership of IUFRO's work in Forest History in Division 6.

Harold Steen was born on 12 May 1935, at Vashon, Washington, USA. He obtained all his degrees from the University of Washington (UW) in Seattle: B.Sc. (1957) in Forestry with major in Forest Management, M.F. (1962) in Forestry with major in Mensuration and Statistical Analysis and Ph.D. (1969) in Forestry with major in History of Conservation. He spent most of his professional career with the USDA Forest Service, first as a Forester at North Bend Washington (1957–1958), and then as Research Forester at the U.S. Forest and Range Experiment Station, Portland, Oregon (1962–1965) dealing mostly with field work in general forestry and forest fire research. After gaining his Ph.D. he moved to Durham, North Carolina, where in 1969 he began his 28-year long service at the Forest History Society, Inc. (FHS). He was appointed consecutively as Assistant Director (1969–1973), Associate Director for Research and Library Services (1973–1977), Acting Executive Director (1977–1978), and Executive Director/President (1978–1997). He also taught at the University of California, Santa Cruz, University of North Carolina, Duke University, and New Mexico State University.

Dr. Steen's major research interest has been in the history of forestry and related areas including forest management, forest policy and administration, forest sector development, biographies, forest research and conservation, wildlife and other topics. In parallel with his administrative duties, he edited the *Journal of Forest History* (1969–1972), as well as served as a member of numerous editorial and advisory boards of scientific journals, e.g., *Environmental Review* (1976–1986), *Journal of Environmental Education* (1973–1981), and various organizations including U.S. Department of Justice, Pinchot Institute of Conservation (1998–2004), Sierra Club History Committee (1976–1990), and societies, e.g., Society of American Foresters, where he has served as a Chair of various units on forest history since 1974.

As a Principal Investigator Dr. Steen worked on the projects resulting in milestone publications such as *The U.S. Forest Service: A History* (1st ed., 1976; 4th ed., 2004), *The Encyclopedia of American Forest and Conservation History* (1983) and *This Well Wooded Land* (1985). He authored, co-authored and edited more than 90 scientific papers, books, book chapters and book reviews, interviews, proceedings and reports. His achievements were recognized with a Distinguished Service Award by the American Forestry Association (1995), Distinguished Achievement Award, by the UW College of Forest Resources Alumni Association (1996), Certificate of Appreciation by the USDA FS (1999), Special Commendation by U.S. Dept. of Justice (1999), and the SAF's Sir William Schlich Memorial Award (2000), to name just a few. Dr. Steen has been a longstanding IUFRO Officer serving as Deputy Coordinator of IUFRO Section on Forest History (1980–1986) and then Section Coordinator S6.07-00 Forest History (1986–1995). He participated and organized various meetings on forest history at IUFRO Congresses and national and international events.

Dr. Harold (Pete) Steen died on 24 January 2022 in Las Cruces, NM, aged 86 years.

Selected research sources:

1. *History of Forestry in America: An Overview*. U.S. Forest Service. 84 p. 1971.
2. *History of Sustained-Yield Forestry*. A Symposium: Western Forestry Center, Portland, OR, 18–19 Oct. 1983. H. K. Steen, gen. ed.; coordinated by the FHS for the IUFRO S6.07. Santa Cruz, CA. xviii, 470 p. 1984.
3. *The Origins of the National Forests: A Centennial Symposium*. H. K. Steen, ed. Durham, N.C.: FHS. 344 p. 1992.
4. *The Chiefs Remember: the Forest Service, 1952–2001*. Durham, N.C.: FHS. xv, 156 p. 2004.

Personal sources:

Steen H.K. Personal communications (May 2019) at psteen88001@gmail.com

TOMANIĆ, Simeun



Simeun Tomanić received the IUFRO Distinguished Service Award in 1998 for promotion of IUFRO's goals and contributions to forestry science at the national, regional and global level.

Simeun Tomanić was born on 1 February 1934 in Kožuhe, Yugoslavia. After finishing high school, he was a school teacher in Banja Luka (1953–1954), was on military service (1954–1955) and worked on breeding and protection of forests at the Forestry Directorate in Drvar (1955–1957). In 1962, he graduated, obtained his Ph.D. (1974) from the Forest Faculty, University of Zagreb and progressed from an Assistant (1962) to Associate Professor (1979) and Professor (1986) of the Department of Forestry Production Organization, being several times elected its Head. He spent a year as a visiting scholar at the Norwegian Forestry Research Institute in Vollebakk under supervision of Prof. Dr. Ivar Samset (1966–1967). Since 1995, Dr. Tomanić served as Head of the Institute for Organization and Economics of Forestry, University of Zagreb, until his retirement in 1999.

Dr. Tomanić began his research in 1962, with his major scientific interests being in the field of forestry works and techniques, organization, management and economics of forestry, occupational safety and sociology in the forestry sector. He authored and co-authored 84 scientific and 44 professional publications in Croatian, English, German and Russian. Dr. Tomanić was a member of many of the University of Zagreb's boards and committees, as well as many Croatian societies, including the Forestry Society, Ergonomic Society, and Society for Promotion of Protection of People in Working and Living Environment, as well as being an outstanding member of the Croatian Academy of Forestry. From 1981 to 1984 he was Yugoslavia's delegate to the Joint FAO/ECE/ILO Committee of Forest Working Techniques and Training of Forest Workers. From 1989, he was an Editorial Board member of the *International Journal of Forest Engineering*, Canada.

Dr. Tomanić was active in IUFRO Division 3 for a long time. He attended five IUFRO World Congresses (Oslo 1976, Kyoto 1981, Ljubljana 1986, Montreal 1990, and Tampere 1995) and 19 study tours in 27 countries in Europe, Asia and America. He was directly involved in the preparations, organization and performance of the XVIII the IUFRO World Congress in Ljubljana. In addition, he was a speaker at the Division 3 plenary session, chair of the interdisciplinary scientific discussion, head of a 7-day post-congressional scientific excursion, and the author of several papers written in Croatian and English for the Congress. He served as Deputy Head (1981–1985), Head (1986–1990) of WG S3.04.01 Planning and control of forest works and Coordinator of IUFRO Unit S3.04 Planning and control of forest works, study work and payment of work in forestry (1991–1995). He was also a Member of the IUFRO International Council (1991–1995).

Professor Simeun Tomanić passed away on 9 October 2003 in Zagreb, at the age of 69.

Selected research sources:

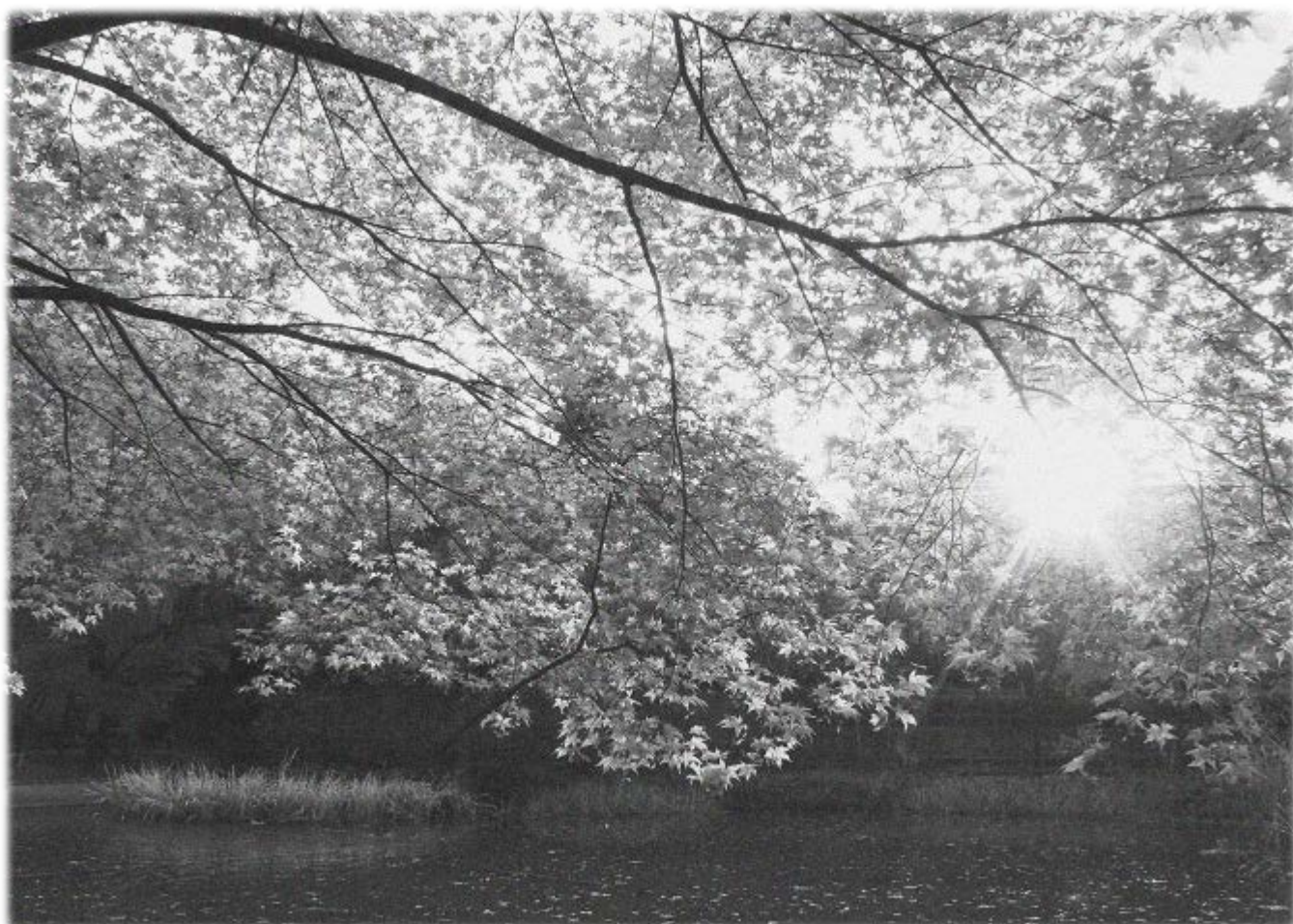
1. *Zajednička metoda mjerenja proizvodnosti rada*. Opće udruženje šumarstva, prerade drva i prometa SR Hrvatske, Zagreb. 43 S. [A common method of measuring labor productivity / General Association of Forestry, Wood Processing and Transport. SR Croatia, Zagreb, 1983] (with M. Figurić). 1983.
2. Status of Forest Engineering and Management in the Forestry of Yugoslavia. *Proceedings of IUFRO Subject Area 3:04:00*. University College, Dept. of Forestry, Dublin, pp. 67–71. 1985.
3. Twenty Years of Forest Work Study in Yugoslavia. *IUFRO Symposium on the Measurement of Productivity in Forest Operations*, Thessaloniki, pp.41–54. 1988.

Personal sources:

1. Tomanić S. <https://www.sumari.hr/sumari/kart.asp?id=11758> Retrieved 14.04.2019.
2. Tomanić C. Personal communications (April 2019) at cveta.tomanic@gmail.com

2000

<i>Ulrich AMMER</i>	<i>Germany</i>	<i>2000</i>
<i>Elias APUD S.</i>	<i>Chile</i>	<i>2000</i>
<i>Robin N. CROMER</i>	<i>Australia</i>	<i>2000</i>
<i>Walter EDER</i>	<i>Germany</i>	<i>2000</i>
<i>David G. W. EDWARDS</i>	<i>Canada</i>	<i>2000</i>
<i>Stephen B. HORSLEY</i>	<i>USA</i>	<i>2000</i>
<i>Hans JÖBSTL</i>	<i>Austria</i>	<i>2000</i>
<i>Fujio KOBAYASHI</i>	<i>Japan</i>	<i>2000</i>
<i>Veikko KOSKI</i>	<i>Finland</i>	<i>2000</i>
<i>F. Thomas (Tom) LEDIG</i>	<i>USA</i>	<i>2000</i>
<i>Maurizio MERLO</i>	<i>Italy</i>	<i>2000</i>
<i>Abdul Rahim NIK</i>	<i>Malaysia</i>	<i>2000</i>
<i>Risto T. M. PÄIVINEN</i>	<i>Finland</i>	<i>2000</i>
<i>Martin F. PRICE</i>	<i>UK</i>	<i>2000</i>
<i>Jarmo U. SAARIKKO</i>	<i>Finland</i>	<i>2000</i>
<i>Walter SCHÖNENBERGER</i>	<i>Switzerland</i>	<i>2000</i>
<i>Robert C. SZARO</i>	<i>USA</i>	<i>2000</i>
<i>David WHITEHEAD</i>	<i>New Zealand</i>	<i>2000</i>



AMMER, Ulrich



Ulrich Ammer received the IUFRO Distinguished Service Award in 2000 for creating and managing IUFRO student excursion and chairmanship for forest recreation.

Ulrich Ammer was born on 28 January 1934 in Reutlingen, Germany. From 1953 he studied at the Albert Ludwig University of Freiburg and graduated as a Dipl.-Ing. in Forestry (1957). After the practical training periods (1957–1960) and passing the State Forestry Examination, he began research at the Institute for Forest Botany, Ludwig-Maximilian University of Munich (1961–1963), from which he obtained his Ph.D. in *oecologiae publicae* with *suma cum laude* (1963), and habilitated in Forest Sciences at the Faculty of Mathematics and Natural Sciences of the University of Freiburg (1969).

In 1963 Dr. Ammer began his career as a consultant for state development, landscape and recreation planning at the Baden-Württemberg *Landesforstverwaltung* (State Forestry Administration) Tübingen and worked in the Baden-Württemberg Ministry for Nutrition, Agriculture, Wine-growing and Forests in Stuttgart (1965–1970). He then was Director of the Forestry Department in Reutlingen (1970–1976) serving also as the Nature Conservation Officer for the County of Reutlingen. In 1976 the *Ludwig-Maximilians-Universität* appointed him Chair of the Department of Landscape Engineering (since 1992 – Institute for Land Use Planning and Nature Conservation). He was also appointed as Dean of the Faculty of Forest Sciences (1983–1985, 1993–1995) at the Ludwig-Maximilians-University in Munich. He also headed the Department of Land Use Planning and Nature Conservation at the Weihenstephan Science Center (1992–1999).

Dr. Ammer's research has focused on forest recreation and tourism, the contribution of forest management to nature conservation, biological engineering to stabilize the protection function of forests in the Alpine Region and remote sensing and landscape planning. He has authored and co-authored 257 scientific papers, book chapters and books. Prof. Ammer served as a member of the German Council for Landscape Management (from 1978), the Board of Trustees of the Bavarian Nature Conservation Fund (from 1988), the Supreme Conservation Advisory Council in Bavaria (from 1994), the German Forestry Association (1961), *Schutzgemeinschaft Deutscher Wald* – German Society of Forest Protection (2000–2013), Chairman of the Scientific Board of the Academy for Rural Development (since 1991), and others. Prof. Ammer was recognized with the Order of Merit of the Federal Republic of Germany, Cross of Merit 1st Class, Bavarian State Medal for Special Services to the Environment, and Honorary Doctorate of the University of Freiburg. In 1981–2000, Dr. Ammer served as Leader of IUFRO Division 6 unit S6.01-02 Planning and management and S6.01-00 on Forest recreation, landscape and nature conservation.

Selected research sources:

1. *Freizeit und Natur – Probleme und Lösungsmöglichkeiten einer ökologisch verträglichen Freizeitnutzung*. Pareys studentexte 72. Parey. 228 S. (with U. Pröbstl). [Leisure and Nature – Problems and solutions for ecologically compatible leisure]. 1991.
2. Konzepte der Landnutzung. *Forstwissenschaftliches Centralblatt* 114: 107–125. (with R.Detsch and U. Schultz). [Concepts of Land Use]. 1995.
3. Vergleichende Waldökologische Untersuchungen in Naturwaldreservaten und Wirtschaftswäldern unterschiedlicher naturnähe in Mittelschwaben – Schlussfolgerungen für die forstliche Praxis. *Berichte aus der bayerischen Landesanstalt für Wald und Forstwirtschaft* 33: 50–60. [Comparative forest ecological investigations in natural forest reserves and commercial forests of different naturalness in central Swabia – conclusions for the forestry practice]. 2001.

Personal sources:

1. Ammer U. Personal communications (June 2019) at Ulrich.Ammer@lrz.tu-muenchen.de
2. Ammer M. Personal communications (June 2019) at Markus.Ammer@t-online.de

APUD Simón, Elías Salvador



Elías Salvador Apud Simón received the IUFRO Distinguished Service Award in 2000 for his contribution to the international development of Forest Ergonomics.

Elias Apud S. was born on 12 September 1942 in Santiago, Chile. He earned his Diploma in Ergonomics (1971) at the *Arbetsmedicinska Institutet* (Institute of Occupational Medicine) in Stockholm, Sweden, and M.Sc. (1976) and Ph.D. (1983) in Ergonomics at the University of Loughborough, UK. He began his professional career as a Work Physiologist at the Institute of Occupational Health. His teaching service began in 1972 as a lecturer at the University of Concepción (in Chile) where he progressed to full Professor (1985) and Head of the Department of Ergonomics in the Faculty of Biological Sciences. He introduced courses for undergraduate students of Forest and Industrial Engineering, and for students of different Health

disciplines.

Dr. Apud's research interests have been in the field of Ergonomics, specifically in the study of human physiology of work and adaptation to heavy physical work, anthropometry and biomechanics, ergonomics and sustainability, and living conditions in forest camps. Over the last 25 years, he has searched for appropriate technologies to compare the efficiency of work with reasonable physical effort. He has authored and co-authored more than 100 papers and he has given about 150 scientific presentations nationally and internationally, including many international articles and several publications for ILO, as well as a chapter in the three-volume Encyclopedia of Occupational Health and Safety.

Over the last forty years, Dr. Apud promoted Ergonomics in the form of talks, short courses and seminars for different groups of people, ranging from workers to CEOs. In addition, he was an active member of a group promoting Ergonomics in developing countries, leading and lecturing in the six-week courses on Introduction to Ergonomics at the Wageningen University, the Netherlands (1980–1990s). He also taught forestry and agricultural professionals in Asia, Africa and Latin America, as well as acting as an external consultant to the ILO, FAO and the Swedish International Development Agency (SIDA). At present, he is Director of the International MSc in Ergonomics at the University of Concepcion. He collaborates with many Universities, including *Tecnologica Nacional* and Buenos Aires in Argentina, *Cayetano Heredia* in Perú, *Gualajara* in Mexico and *SEK* in Ecuador.

Dr. Apud is a member of the Chilean Society of Physiological Sciences and of the Chilean Ergonomics Society. He has been recognized by the Chilean Society of Sports Medicine (1968, 1969, 1986), by the Medical Society of Santiago (1973), the City of Concepción (1995), the Latin American Safety and Health Association (2005), the Latin American Union of Ergonomics (2007), the International Ergonomics Association (2009). by the Chilean Society of Ergonomics with the *Georg Bialorskorsky* prize (2009), the Chilean Wood Corporation with *Condor de los Vientos* award (2015), and by the Human Factor Ergonomics Society of the USA with the *Hal Hendrick Award* (2017). He was honored also with the *John Bloomfield–1990* award (1991). Dr. Apud has served as Coordinator of IUFRO unit 3.07.01 Physical Work Environment from 1982 to 2000.

Selected research sources:

1. *Guide-lines on Ergonomic Study in Forestry*. Prepared for research workers in developing countries. E. Apud, L. Bostrand, I.D. Mobbs and B. Strehlke, eds. Int'l Labour Office (ILO), Geneva. 241 p. 1989.
2. *Manual de Ergonomía Forestal*. FONDEF, Concepción, Chile. 493 p. (with M. Gutierrez, S. Lagos, F. Maureira, F. Meyer, and J. Espinoza). [Manual of Forest Ergonomics]. 1999.

Personal sources:

Apud E. (Personal communications (June 2019) at eapud@udec.cl)

CROMER, Robin Neil



Robin Neil Cromer received the IUFRO Distinguished Service Award in 2000 for his contribution to IUFRO in many different capacities.

Robin Cromer was born on 19 May 1940 in Sydney, Australia. He earned his B.Sc. in Forestry (1959) at the University of New England (1959), Dip.For. with Dist. (1961) at the Australian Forestry School in Canberra, M.Sc. in Forestry (1969), external, at the University of Melbourne, and M. Forest Resources (1974) at the University of Washington, Seattle, USA.

Mr. Cromer spent most of his career with CSIRO, starting as an Experimental Scientist at the Division of Plant Industry (1962–1964). He then spent 12 years in private enterprise as Senior Research Forester at APM Forests Pty. Ltd. (1964–1976). Appointed Senior Research Scientist (1980) at CSIRO Division of Forest Research (1976–1981) in Gippsland, Victoria, he transferred to the (renamed) CSIRO Division of Forestry in Canberra, where he was then appointed as Principal Research Scientist (1985) and as Principal Research Scientist and Program Manager at CSIRO Division of Forestry in Hobart (1992–1997). He also spent a year overseas studying for a Master of Forest Resources at the University of Washington, Seattle, USA.

Mr. Cromer's research interests have been in the field of alpine ecology, increasing yield of conifer plantations, and irrigation of *Pinus radiata* with wastewater. He has also studied the nutrition, physiology and increasing productivity of eucalypt plantations. He led the Sub-tropical Eucalypt Plantation Program (1987–1990) supported by Shell as well as the Hardwood Plantations Program. He has been invited to write chapters for books on the establishment and nutrition of plantations in Australia (1978, 1990) and overseas (1989) and a major review of current knowledge of the genus *Eucalyptus* (1997). He has published over 100 scientific papers, book chapters, books and reports.

Mr. Cromer was an active member of the Institute of Foresters of Australia.

Mr. Cromer has been an active IUFRO Officer. He established and led IUFRO WP P2.02-01 Eucalypts (1979–1990), served as Deputy Chair PG P2.02-00 Plantation forestry with fast-growing trees (1991–1995) and was Coordinator of IUFRO unit 2.08.00 Hardwood improvement, culture and genetic resources (1996–2000). He organized and chaired several major successful international conferences for IUFRO including IUFRO symposia on Genetic Improvement and Production of Fast-growing Tree Species (Brazil, 1980), on Frost Resistant Eucalypts (France, 1983), and on Management of Water and Nutrient Relations to Increase Forest Growth (Australia, 1987) to name just a few.

Selected research sources:

1. Stand establishment. In: W.E. Hillis and A.G. Brown, eds. *Eucalypts for Wood Production*. CSIRO, Melbourne, pp. 81–135. (with K.W. Cremer and R.G. Florence). 1978.
2. Fertilizing. In: K.W. Cremer, ed. *Trees for Rural Australia*. Inkata Press, pp. 154–160. 1990.
3. Response of *Eucalyptus deglupta* to phosphate fertilizer. *J. Trop. For. Sci.* 5(1): 74–89. (with K.C. Tan, E.R. Williams and W.H.M. Rawlins). 1993.
4. The Eucalypts. In: F.T. Last, ed. *Tree Crop Ecosystems*, Vol. 19 of *Ecosystems of the World*, Elsevier, Amsterdam. 492 p. (with K.G. Eldridge). 2001.

Personal sources:

Cromer R.N. Personal communications (May 2019) at robinandjill@bigblue.net.au

EDER, Walter



Walter Eder received the IUFRO Distinguished Service Award in 2000 for his leadership of IUFRO Working Party 1.05-16 Ecology and Silviculture of European Silver Fir.

Walter Eder was born on 12 January 1942 in Zweibrücken, Rhineland-Palatinate, Germany. After finishing the old-linguistic Herzog-Wolfgang gymnasium in Zweibrücken, he became a candidate for the higher forestry service in the State Forestry Administration of Rhineland-Palatinate, with a practical year at the Forestry Office Hinterweidenthal-Ost in the Palatinate Forest. From 1962, he studied forest sciences at the Universities of Freiburg im Breisgau and Göttingen, and in 1966, he obtained his Diploma of Forestry Management. After a 3-year trainee period at the State Forestry Administration of Rhineland-Palatinate and the 2nd State Examination, in 1969 he was transferred as a Research Assistant to the Ministry of Agriculture, Viticulture and Forestry of the State of Rhineland-Palatinate in Mainz. In parallel, he enrolled at the University of Göttingen (1976), and obtained his Ph.D. in Forestry Administration (1980).

In December 1979, Dr. Eder was appointed as a Director of the Kirchheimbolanden Forestry District, where he served until June 1985. As Director, he was appointed Head of Division of the Department of Silviculture, Forest Management and Experimentation and returned to the aforementioned Ministry, where he remained as Ministerial Council until his retirement from the state service in February 2004. During this period one of his key achievements was establishing the Forest Research Institute of Rhineland-Palatinate, which later was renamed to Research Institute of Forest Ecology and Forestry, as well as introducing ecological and natural silviculture, and the establishment of approximately 500 silvicultural experimental forest areas and the creation of new stand productivity sections of forest management planning.

Dr. Eder's major research interests are in the field of forest ecology and silviculture, especially in growing and treating forest stands to increase their productivity. He produced 72 publications and lectures. Dr. Eder was chairman of the Silviculture Section, German Association of Forestry Research Institutes for 7 years (1990–1997). He was awarded the Medal of Merit for Scientific Cooperation of the Sofia Forestry University, Bulgaria (1994) and the Medal of Merit of the State of Rhineland-Palatinate (2010).

Dr. Eder was elected as Coordinator of IUFRO WP 1.05-16 Ecology and Silviculture of European Silver Fir in 1990 at the 6th Symposium of this Working Party in Zagreb, Croatia. He has been in contact with forest scientists, research institutes and universities in Germany and all over Europe, as well as in the USA, allowing him together with the local authorities to organize five consecutive Symposia (from the 7th to the 11th). They were held in Altensteig, Germany (1994), Jundola, Bulgaria (1996), Skopje, Macedonia (2000), Trippstadt, Germany (2002), and Poiana Brasov, Romania (2005), although he had officially ended his chairmanship at the 10th Symposium 2002.

Selected research sources (first author, publications in German):

1. Selected results from seven IUFRO symposia and conclusion for the preservation and promotion of Silver fir in Central Europe. Silver fir Symposium Schwarzburg, Thuringia. *Landesanstalt fuer Wald und Forstwirtschaft, Issue 11*. 1996.
2. Results of Silver fir (*Abies alba*, Mill.) Provenance in IUFRO test in Osburg (Germany). *Proceedings of the 10th Silver fir Symposium, Trippstadt*. (with W.D. Maurer and P.H. Dong). 2003.
3. Stand produktivity panels for the forest management. *Mitt.from the FAWF*. (with P.H. Dong). 2003.

Personal sources:

Eder W. Personal communications (October 2019) at dr.eder.walter@web.de

EDWARDS, David George W.



David George W. Edwards received the IUFRO Distinguished Service Award in 2000 for his outstanding and tireless movement within IUFRO and the international community of forestry research.

George Edwards was born in February 1937 in Bloxwich, England. He earned his B.Sc. in Forestry at the University of Aberdeen, Scotland (1959), and M.Sc. (1963) and Ph.D. (1969) in Forestry at the University of Washington, USA. In 1968, he began his career as a Research Scientist at the Pacific Forestry Centre, Victoria, B.C., Canada, where he worked until retirement in 1996. After retiring from the Canadian Forest service, he became the proprietor of FTB Forest Tree Beginnings,

Dr. Edwards's primary research interests were in the field of germination, genetic control, seeds and cone prediction, collection and processing, seed physiology and storage. He authored and co-authored many research papers, book chapters and books as well as compiled and edited numerous manuals, directories and proceedings. He was active in various international and national professional societies, including International Seed Testing Association, being for over 30 years a member of its Forest Tree and Shrub Seed Committee and a Chair of the WG Germination of temperate species seed (1980–1983) as well as several other associations. He was an Adjunct Professor in the Department of Forest Sciences of the University of British Columbia. He served as Official representative of the Canadian Designated Authority for the scheme for certification of forest reproductive materials moving in international trade at the OECD (1983–1989).

Dr. Edwards is a long-term contributor in the IUFRO seed research initiative since the mid-1970s when he compiled and edited *World Directory of Tree Seed Workers* (1976) published by the Canadian Forestry Service, Victoria, B.C., on behalf of IUFRO Working Party S2.01.06 Seed Problems. In 1992, he was awarded the Distinguished Leadership Award, Extraordinary Service to Forest Tree Seed Science, American Biographical Institute. He then served as a Project Group P2.04.00 Leader (1991–1995) and Coordinator of Research Group 2.09.00 Seed Physiology and Technology (1996–2000). He put a lot of time into publishing the PG Newsletter "Seed Problems". Since 1991, he organized and was a leader of many successful international Symposia in Victoria, BC, Canada, in Thailand, Burkina Faso, India and Dominican Republic. He has also contributed to the organization of IUFRO 2000 in Malaysia.

Selected research sources:

1. *World Directory of Tree Seed Workers*. D.G.W. Edwards, comp. and ed. Canadian FS/CND. x, 133 p. 1976.
2. *Methods and Procedures for Testing Tree Seeds in Canada*. Canadian Forestry Service, Government of Canada, 65 p. 1987.
3. *Dormancy and Barriers to Germination*. D.G.W. Edwards, comp. and ed. Proc. Intl. Symp. IUFRO Project Group P2.04-00 (Seed Problems). Victoria, BC, Canada, April 23–26, 1991. Forestry Canada, Pacific Forestry Centre, Victoria, BC. 153 p. 1993.
4. *Seed and Nursery Technology of Forest Trees*. D.G.W. Edwards, S.C. Naithani, eds. New Age Intl. Publishers. New Delhi. x, 318 p. 1999.
5. Genetic variation in germination attributes and response to seed accelerated aging in western hemlock. *Seed Technology*, 26 (1): 38–50. (with Y. A. El-Kassaby and A. Benowicz). 2004.

Personal sources:

1. Edwards D.G.W. Personal communications (September–December 2019 and June 2020) at de4757@telus.net
2. Edwards, Ewan. Personal communication (June 2020) at e@skwayr.com

HORSLEY, Stephen Braithwaite



Stephen Braithwaite Horsley received the IUFRO Distinguished Service Award in 2000 for his long-term service and contributions to further advancing of IUFRO Division 2.

Stephen Horsley was born on 4 March 1943 in Camden, New Jersey, USA. He earned his B.Sc. in Forestry (1965) at School of Forest Resources, Pennsylvania State University, and respectively, M.Sc. (1968) and Ph.D. in Plant Physiology (1970) at the Department of Forestry and Wildlife Management, University of Massachusetts at Amherst. Since 1972, Dr. Horsley has worked as a Research Plant Physiologist at the USDA FS Northeastern Research Station's laboratory (since 1973 in Warren, PA), until his retirement in 2007 as Research Plant Physiologist Emeritus. In parallel to his duties at the Station, he holds Adjunct Professor positions at the School of Forest Resources at Penn State and at the SUNY College of Environmental Science and Forestry.

Dr. Horsley research interests have been in the field of forest regeneration, including plant–plant and herbivore–plant interference relationships, methods of vegetation management, forest soils, deer management, and, generally, ecological history of the Allegheny Plateau in Pennsylvania. Most recently, as a member of a collaborative team, he studied sugar maple ecology and health, and the factors causing sugar maple decline in Pennsylvania. He authored and co-authored 50 scientific articles, book chapters, books and reports as well as outreach papers. Dr. Horsley is a member of Ecological Society of America and Society of American Foresters, in which he has served as national chairman of the Physiology Working Group. He was as an Associate Editor of *Forest Science* and of the *Canadian Journal of Forest Research*. He has been recognized with several honours and awards including the Barrington Moore Memorial Award by the Society of American Foresters (2006) and Scientist Emeritus by USDA Forest Service, Northern Research Station (2007).

Dr. Horsley has long-term collaboration with IUFRO. Led by him, WP 8 World Directory of Tree Physiology Workers (Division 2 Subject Group on Physiology) prepared over 200 pages *International Directory of Woody Plant Physiologists*, which he edited with C.A. Weldon and published in December 1989. He also served as Coordinator of various units in IUFRO Division 2 Physiology, Genetics and Protection (1991–2005).

Selected research sources:

1. Control of understory vegetation in Allegheny hardwood stands with Oust. *North. J. Appl. For.* 5(4): 261–262. 1988.
2. Mechanisms of interference between hayscented fern and black cherry. *Can. J. For. Res.* 23: 2059–2069. 1993.
3. *Sugar maple ecology and health: Proceedings of an international symposium*. Horsley, S.B., Long, R.P. eds. USDA For. Serv. Gen. Tech. Rep. NE–261. 120 p. 1999.
4. *Managing white-tailed deer in forest habitat from an ecosystem perspective: Pennsylvania case study*. Report by the Deer Management Forum for Audubon Pennsylvania and Pennsylvania Habitat Alliance, Harrisburg. xix + 340pp. (Multi-authored publication). 2005.
5. Linking environmental gradients, species composition, and vegetation indicators of sugar maple health in the northeastern United States. *Can. J. For. Res.* 38(7): 1761–1774. (with S.W. Bailey, T.E. Ristau, R.P. Long, R.A. Hallett). 2008.

Personal sources:

1. URL: <https://www.fs.fed.us/ne/warren/aboutus/horsley.htm> Retrieved 09.05.2019.
2. Horsley S.B. Personal communications (May 2019) at shorsley@fs.fed.us

JÖBSTL, Hans



Hans Jöbstl received the IUFRO Distinguished Service Award in 2000 for his outstanding long-term leadership and input to IUFRO research on managerial economics, and managerial, social and environmental accounting in forestry.

Hans Jöbstl was born on 13 June 1944 in Limberg/Carinthia, Austria. After finishing St. Paul Stiftsgymnasium (1962) and military service (1963), he attended the *Universität für Bodenkultur* (BOKU, University of Natural Resources and Life Sciences) in Vienna and became Dipl. Ing. in Forestry (1968) and in parallel he attended courses at the Viennese University of Commerce. He obtained his D.Sc. in Business Economics from BOKU in 1973, passed the Civil Service Examination for Forestry Degree Graduates at the Ministry for Agriculture and Forestry (1974), and Habilitation in Managerial Economics in Forestry and Timber Industry (1977). He began his career as an Assistant Professor (1968) and progressed to Associate Professor (1977) and Professor for Managerial Economics of the Forest Sector (1979) at BOKU's Institute of Forest Economics and Forest Politics. From 1980, Professor Jöbstl served as Head of the Division for Accounting and Forest Marketing until his retirement in 2010. In the 1990s, he was also a Senior Lecturer at the University of Trento, Italy, and delivered several guest-lectures at foreign universities, e.g., Czech Republic, Germany, Hungary, and Ukraine. He served as a consultant to forest enterprises, government and associations.

Dr. Jöbstl has focused his research in the fields of financial and managerial accounting, planning models, forest trade and marketing, business administration, management planning, and taxation, forest assets valuation, and the conception and implementation of the Forest Management Class Simulation Model (FOBSI) as well as cost accounting systems for forest holdings. He pioneered the adaptation of new modelling and O.R. techniques and other results of his research findings into forestry practice and was active in introducing/developing and holding courses on Accounting for students and forest professionals (managers and owners). He supervised over 35 research projects nationally, and participated in several EU-projects. He has authored and co-authored more than 200 scientific publications including 18 books, and made numerous presentations at scientific congresses, symposia, seminars and other meetings.

Dr. Jöbstl has been a member of several professional societies and organizations. He has actively collaborated in IUFRO since 1973, and for a long time held leading positions as Co-Chairman (1985–1989) and Chairman (1989–1995 and 2003–2006) of IUFRO WP Managerial Economics in Forestry. In 1995, he founded the interdivisionally designed IUFRO RG Managerial, Social and Environmental Accounting and took leadership as its Coordinator for the next 15 years. During 1985–2010, under his leadership, the Groups organized 30 scientific and practical meetings in many – mostly European - countries and built East-West contacts within the Union.

Selected research sources:

1. *Ein Modell des Forstbetriebes. Neue Ansätze und Techniken für die lang- und mittelfristige Planung.* Österr. Agrarverlag, Wien. 208 S. [New Approaches and Techniques for Long- and Medium-term Planning of Forest Holdings]. 1973.
2. *Managerial Economics in Forestry – Reader.* Österr. Agrarverlag, Vienna. 118 p. 1995.
3. *Waldvermögensbewertung – Forstliche Erfolgsrechnung.* H. Jöbstl, ed. Proc. IUFRO Workshop in Salzburg, 11–12.06.1999. BOKU. 178 p. [Forest Asset Valuation–Forestry Performance Accounting]. 2000.
4. *Kosten- und Leistungsrechnung in Forstbetrieben. Betriebsabrechnung für die Praxis.* 3. Auflage, Österr. Agrarverlag, Wien. 212 S. [Cost and Performance Accounting in Forest Estates. 3th revised edition]. 2000

Personal sources:

Jöbstl H. Personal communications (May–June 2019) at hans.joebstl@boku.ac.at

KOBAYASHI, Fujio



Fujio Kobayashi received the IUFRO Distinguished Service Award in 2000 for promoting and enhancing IUFRO presence in Asia-Pacific region.

Fujio Kobayashi [小林 富士雄]¹ was born on 1 April 1932 in Nagano prefecture, Japan. He graduated from the University of Tokyo (1957) and he began working at the Forestry and Forest Products Research Institute (FFPRI) in Tsukuba/Ibaraki, Japan, where he spent 34 years of his professional career. In 1979, he obtained his Ph.D. in Agriculture from Department of Forestry, Faculty of Agriculture at the University of Tokyo. In 1976, he was appointed as Director of the Division of Insect Research, and then he has steadily progressed to Director General of the FFPRI's Kansai Research Center (1985), Director of the Department of Research Coordination (1986), Deputy Director General (1988), and 6 months later in the same years – Director General (1988). In 1991, Dr. Kobayashi retired but remained active as President of the Japanese Forest Society (1990–1992), as Consultant at

the Japan Forest Technology Association (1991–2005), and President (2001–2008) and then President Emeritus (since 2007) of the Japan Forestry Association. He then served as President of the Japanese Forest Road Safety Association (2009–2013), and the Forest Chemicals Association of Japan (2009–2012).

Dr. Kobayashi is a dedicated entomologist who has greatly contributed to the systematization of destructive forest insects, to the control of pine wilt disease insects and the development of preventative methods and to wood-injuring insects in Japanese cedar and cypress plantations. Lately his interest has shifted to learning about world culture and history, and to the introduction of forest management into education in foreign countries. He has authored and co-authored more than 100 publications including several books in Japanese.

Dr. Kobayashi has been an active collaborator in IUFRO Division 2 as well as supporting fundraising for IUFRO–SPDC. He worked with the FAO and the World Bank at the 1981 Kyoto Congress to promote forest research in developing countries, as well as later in 1990. He was involved with FORSPA at the FAO Forestry meeting in Bangkok, Thailand (August 1989), that later produced APAFRI as an Asian Chapter of IUFRO. He chaired the organizing committees of several national and international meetings held under the auspices of IUFRO, including Bio–Refor (Biotechnology Assisted Reforestation) in 1991.

Dr. Fujio Kobayashi passed away on 5 December 2020 in Tokyo after a long illness.

Research sources:

1. The Japanese pine sawyer beetle as the vector of pine wilt disease. *Ann. Rev. Entomol.* 29: 115–135. (with A. Yamane, T. Ikeda). 1984.
2. The Japanese Pine Sawyer. Chapter 21. In: Berryman A.A., ed. *Dynamics of Forest Insect Populations. Population Ecology (Theory and Application)*. Springer, Boston, MA, p. 431–454. 1988.
3. Bio–Refor International Meeting "Rehabilitation of Degraded Tropical Forest Land". *熱帯林業 [Tropical Forestry]* 25: 60–71. (with K. Suzuki and T. Mori). (In Japanese). 1992.
4. チェコとその林業をめぐる話題—分離独立, 民営化, 森林管理, そして森林衰退 [Topics on the Czech Republic and its forestry: Separating independence, privatization, forest management, and forest decline]. *J. of the Japanese Forest Society* 15: 48–54. (In Japanese). 1995.

Personal sources:

1. Sumire Williams-Kawamoto. Personal communications (May 2019) at iufro-j@ffpri.affrc.go.jp
2. Kobayashi F. Personal communications (May–June 2019) by letters and phones.

¹ Kobayashi - 小林 - *small forest*.

KOSKI, Veikko



Veikko Koski received the IUFRO Distinguished Service Award in 2000 for his long-term service and contributions to the advancement of IUFRO Division 2.

Veikko Koski was born on 21 April 1937 in Helsinki, Finland. He obtained his B.Sc. (1960) and M.Sc. (1961) in Biology with a major in Genetics from the University of Helsinki, and Ph.D. in Genetics (1970) from the University of Helsinki. He spent almost his entire professional career at the Finnish Forest Research Institute (Metla), where he started as a Research Assistant (1959), and progressed to Researcher (1962) at Metla, and Professor of Forest Genetics (1990). In 2000 Dr. Koski retired after 41 years at Metla. In parallel, Dr. Koski taught at the University of Helsinki (1972–2004) and the University of Joensuu (1984–2004) as Special lecturer (Docent).

Dr. Koski's research was focused on the genetic system of forest tree species, and the biological basis of tree breeding. His scope extended from cytology to population and quantitative genetics, provenance studies, influence of growing environment of species of different origin, *in situ* conservation of forest gene resources, genetic diversity of Norway spruce, and tree physiology. He authored and co-authored more than 100 research and technical papers and reports, book chapters and books.

Dr. Koski has been involved in many international research projects and programs including the European Forest Genetic Resources Programme (EFORGEN), UN FAO, and International Panel on Climate Change (IPCC). He was a chair of the IPGRI's *Picea abies* Network. His connections and co-operation among Nordic countries was significant. A contract for scientific and technical co-operation with the former USSR provided an opportunity to become acquainted with the extensive boreal forest, which widened his understanding of geographical variability.

Dr. Koski served as Coordinator of IUFRO WP S2.04.02 Breeding theory and progeny testing (1991–1995), Deputy Coordinator of IUFRO SG 2.04.00 Genetics (1996–2000) and Task Force "Management and Conservation of Forest Gene Resources" (1996–2000) that resulted in the assessment of the global state of research on the diversity of forest tree genetics. Dr. Koski actively participated in the IUFRO Congress in Tampere also as a leader of the 5-day study tour #7 – Genetic resources and forest regeneration material. During his term at IUFRO, he organized and co-organized many research meetings, seminars and workshops.

Selected research sources:

1. A Study on Pollen Dispersal as a Mechanism of Gene Flow in Conifers. *Com. Inst. For. Fenn.* 70.4: 1–78. 1970.
2. Tuloksia monivuotisista kukinnan ja siemensadon määrän mittauksista metsäpuilla. *Folia Forestalia* 364: 1–60. (with R. Tallqvist). [Results of Long-Time Measurements of the Quantity of the Flowering and Seed Crop of Forest Trees]. 1978.
3. *On self-pollination, genetic load, and subsequent in breeding in some conifers.* *Commun. Inst. For. Fenn.* 78. 1–42. 1973.
4. Quantified standards for regional clonal seed orchards. In: *Forest Genetic Resources Information 11.* FAO UN, Rome. <http://www.fao.org/3/p8760e/P8760E04.htm#ch4> 1982. Retrieved 25.06.2019.
5. Timing of growth cessation in relation to the variations in the growing season. In: P.M.A. Tigerstedt, P. Puttonen and V. Koski, eds. *Crop Physiology of Forest Trees.* Helsinki Univ. Press, pp. 167–193. 1985.
6. Genetic Systems of Forest Trees. In: *Genetics and Genetic Resources.* Elsevier, pp. 175–182. 2004.

Personal sources:

Koski V. Personal communications (July 2019) at: koskiveikko7@gmail.com

LEDIG, F. Thomas (Tom)



F. Thomas Ledig received the IUFRO Distinguished Service Award in 2000 in recognition of his outstanding contribution to the publication of the World Directory of Forest Geneticists and Tree Breeders.

Tom Ledig was born on 13 August 1938 in Dover, New Jersey, USA. He received his B.Sc. in Plant Science (1962) from Rutgers University, and his M.Sc. in Genetics (1965) and Ph.D. in Genetics (1967) both from North Carolina State University. He was a member of faculty at Yale University's School of Forestry and Environmental Studies (F&ES) from 1967–1981, working his way up to becoming a full professor and member of the F&ES Board of Permanent Officers. In 1979, Dr. Ledig was appointed Director of the Institute of Forest Genetics, USDA Forest Service, Pacific Southwest Research Station, Berkeley and Placerville, CA, where he served until his retirement as Senior Scientist in 2008. Meanwhile, he continued his research and teaching as an Adjunct Professor at the University of California–Davis.

Dr. Ledig's research interests were in the areas of tree physiology, forest ecology, conservation biology, genetic diversity, provenance trials, and the effect of climate change on conifer species. He authored and co-authored over 135 scientific publications in these fields. As a high level expert on forest genetics and conservation, Dr. Ledig was invited by international organizations and national agencies to conduct research, advise, and identify best management practices throughout the USA as well as in Australia, Belgium, Canada, France, Hungary, India, Italy, Kenya, Korea, Luxembourg, Mexico, Morocco, Portugal, Scotland, Spain, Sweden, Turkey, and Vietnam. He served for many years as Secretary of the Forest Genetic Resources Working Group of the FAO's North American Forest Commission (NAFC).

Dr. Ledig received many honors and awards for his research, education, administration, and international service. Among them were the Society of American Foresters, Barrington Moore Memorial Award for outstanding achievement in biological research (1992), Fellowship in the AAAS (2002), a special award from *La Universidad Autónoma Agraria Antonio Narro*, Saltillo, Mexico (2009), and two FAO NAFC awards (2008 and 2010).

Dr. Ledig actively participated in IUFRO Division 2 Physiology and Genetics, serving as Coordinator of IUFRO WP 2.04.09 on the World Directory of Forest Geneticists and Tree Breeders (1995–1998). The Directory listed more than 1800 names from 86 countries and was a collaborative project of the FAO's North American Forest Commission and IUFRO.

Dr. F. Thomas Ledig passed away on 20 May 2015 in Vallejo, CA, at the age 76.

Selected research sources:

1. *The conservation of genetic diversity: the road to La Trinidad*. The Shaffer Lectureship in Forest Science. Vancouver, British Columbia, 18 p. 1988.
2. *World Directory of Forest Geneticists and Tree Breeders*. Ledig, F. T. and Neale, D. B., compilers. Gen. Tech. Rep. PSW-GTR-170. Albany, CA: PSWRS, USDA FS. 189 p. 1998.
3. Postglacial migration and adaptation for dispersal in pitch pine (*Pinaceae*). *Amer. J. Bot.* 102(12): 2074–2091. 2015.

Personal sources:

1. Palmberg C. In Memoriam: Dr. F. Thomas (Tom) Ledig, 13 August 1938 to 20 May 2015. http://forestry.fao.msgfocus.com/files/amf_fao/project_59/May_2015/Tom_Ledig_Obituary_-_inFO_news_30-04June.pdf Retrieved 01.04.2019.
2. Lux L. Personal communications (May 2019) at lindalux100@gmail.com

MERLO, Maurizio



Maurizio Merlo received the IUFRO Distinguished Service Award in 2000 for his outstanding contributions in bringing forest economists of the Mediterranean countries and Latin America to IUFRO.

Maurizio Merlo was born on 22 September 22 1944 in Vittorio Veneto, Treviso, Italy. He graduated with a Diploma in Agriculture from Technical College in Conegliano (1964) and obtained his M.Sc. in Agriculture (Hons) from the University of Padova (1970) and Ph.D. in Land and Environmental Economics from Wye College, London University (1978). He began his professional career as an officer in the National Service (1964–1965), and then served as an Assistant Professor (1971–1974), Lecturer (1978), Associate Professor (1981), and Professor of Forestry and Environmental Economics and Policy (1985) at the Faculty of Agriculture and Forestry, Padova University. He was Dean of Forestry courses (1990–1995), and Dean of the Course in Wood Technology and Industry (1995–1997; 2001–2003) there, and a Coordinator of the Ph.D. Forestry Programmes for the University of Padova, Trento, and Parma (1991–1994). He was Visiting Professor of Cuyo University, Argentina (1989) and the Mediterranean Centre, Spain (1991–1996, 2000–2002).

Dr. Merlo was one of the pioneers in the field of interdisciplinary and multi-functional research. His interests covered the economic valuation of non-market services, multifunctional use and optimization of forest resources' consumption, and design of forest policy and management methods and tools. He authored and co-authored over 150 scientific publications of which about 100 were in peer-reviewed journals. His international activity covered dozens of countries and numerous organizations. As an expert, he was invited to conduct research for the UN FAO, OECD, the World Bank, the EU Commission, IAAE, EAAE, and many Italian governmental agencies and organizations. He was an EFI Board member and one of the leaders of MEDFOREX (MEDiterranean FOREst public goods and Externalities) Center. He was a founder of a research network of authors from 18 Mediterranean countries that published the book "Valuing Mediterranean Forests" (CABI Publishing 2005).

From 1980, Dr. Merlo held leading positions at many professional societies and associations, e.g., Member of the Board and Programme Committee of the Italian (1982–1989) and the European Agricultural Economics Society, a consultant for the Ministry of Agriculture and Forestry, National Institute of Agricultural Economics, Land Reclamation and Drainage Consortia, and many others. He has also served on the editorial boards of several scientific journals, such as *Cahiers d'Economie et Sociologie Rurales*, *Politica Agraria*, *Ambiente e Foreste*, *Landscape Planning*, *Cellulosa e Carta*, and *Forest Policy and Economics*. He was recognized nationally and internationally for his research, administrative and educational activities. From 1986, Dr. Merlo served as Coordinator of WG 4.04.02 – Managerial Economics, Deputy Coordinator of IUFRO RG 4.13.00 – Managerial, Social and Environmental Accounting, and Coordinator of the IUFRO TF on Forest Biotechnology.

Professor Maurizio Merlo passed away after a severe heart attack on 24 August 2003, at the age of 59.

Selected research sources:

1. *Elementi di economia ed estimo forestale-ambientale*. Pàtron, Bologna. 556 p. [Elements of economy and forest environment valuation]. 1991.
2. *Valuing Mediterranean forests: towards total economic value*. M. Merlo and L. Croitoru, eds. CABI Publishing, Oxfordshire (UK). 448 p. 2005.

Personal sources:

1. Dedication and Acknowledgement. In: *Valuing Mediterranean forests*, CABI pp. xv–xvi. 2005.
2. Gatto P., Krott M. In memoriam. Professor Maurizio Merlo. *For. Pol. & Econ* 6: 85. 2004.
3. Jöbstl H. Personal communications (April 2019) at hans.joebstl@boku.ac.at
4. Gatto P. Personal communications (April–May 2019) at paola.gatto@unipd.it

NIK, Abdul Rahim



Abdul Rahim Nik received the IUFRO Distinguished Service Award in 2000 for his outstanding leadership in organizing the XX IUFRO World Congress.

Datuk Dr. Abdul Rahim Nik was born in September 1955, Terengganu, Malaysia. He completed his B.Sc. in Forestry (1979) at Louisiana State University, M.Sc. in forest hydrology (1981) from University of West Virginia, USA, and Ph.D. in Tropical Forest Hydrology (1990) from the University of Wales in Bangor, United Kingdom. In 1981, he joined the Forest Research Institute Malaysia (FRIM) as a researcher working in the field of forest hydrology and watershed management. While in FRIM, he was entrusted with various leadership positions as division director, including Techno-Economics, Forest Environment, Forestry and Conservation, and Biodiversity and Environment. In 2008, he was promoted to Deputy Director General of FRIM (2008–2011) and in April 2011, he was seconded to the Ministry of Natural Resources and Environment, Malaysia as Deputy Secretary General 2011–2015, where he coordinated and supervised policy issues related to environmental management, climate change, forestry, biodiversity, wildlife and marine parks. Upon his retirement from the civil service, in December 2015, Dr. Abdul Rahim Nik was appointed as Chief Executive Officer (CEO) of Malaysian Timber Council (MTC).

In parallel, he was directly involved in numerous international collaborative scientific projects, namely the ASEAN–US Watershed Project as a Resource Person (1984–1987), joint chair of Malaysia–Japan joint project on tropical forest ecology and biodiversity (2001–2010), and Project Leader of a model project for cost analysis to achieve sustainable forest management funded by International Tropical Timber Organization (ITTO) (1997–2000). In addition, he served as National Project Leader of a UNDP/GEF and DANIDA Funded Project dealing with the conservation of tropical peat swamps (2002–2008) and Project Manager of Malaysia–Denmark Twinning programme on multipurpose forestry (2002–2005). He was appointed as National Chairman of the WG on the Greenhouse Gases Inventory for Malaysia’s the Second and Third National Communication Report for the United Nations Framework Convention on Climate Change (UNFCCC)(2007–2010). He was also a part-time Lecturer at the Forestry Faculty, *Universiti Putra Malaysia* (1991 & 2000) and an adjunct professor at *Universiti Tenaga Malaysia* (2012–2013).

Dr. Abdul Rahim Nik research interests include ecosystem studies, tropical forest hydrology and watershed management, environmental management, climate change and forest meteorology. He has authored and co-authored more than 100 technical and semi-technical papers in scientific journals and edited over 15 books. Dr. Abdul Rahim Nik was Chair of the Congress Organizing Committee (1996–2000) for the XX IUFRO World Congress held in Kuala Lumpur in 2000. He has also served as a member of the IUFRO International Council (2010–2015). He has received numerous recognitions and awards including Best Scientist Award from FRIM, Environmental Fellowship from the Asia Foundation, and Fellowship from the East-West Center, Hawaii, USA, Fellow of the Academy Sciences Malaysia (ASM), and was awarded the “*Panglima Mahkota Wilayah*” (PMW) from His Majesty Malaysian King, which carries the title “*Datuk*”.

Selected research sources:

1. Effects of selective logging methods on water yield and streamflow parameters in Peninsular Malaysia. *J. of Trop. For. Sci., Spec. Environ. Issue* (December), 5(2): 130–154. (with Don Harding). 1992.
2. Runoff characteristics in a tropical rain forest catchment. *Japan Agric. Research Quarterly* 39(3): 215–219. (with S. Noguchi and M. Tani). 2005.

Personal sources:

Abdul Rahim Nik. Personal communications (May 2019) at abdrahim.nik@gmail.com

PÄIVINEN, Risto Teuvo Matias



Risto Teuvo Matias Päivinen received the IUFRO Distinguished Service Award in 2000 for significant input in furthering the scientific, technical, and organizational aims of IUFRO.

Risto Päivinen was born on 23 July 1952 in Helsinki, Finland. After military service (1971–1972), he earned his M.Sc. in Forestry (1976), M.Sc. in forest inventory and management planning (1980), Licentiate in Forestry (1982) from the University of Helsinki, and Ph.D. in Forestry (1987) from the University of Joensuu. He was an Assistant and acting Associate Professor in the Department of Forest Mensuration and Management at University of Helsinki, and Research Officer in Finnish Forest Research Institute (*Metla*) 1976–1985. Dr. Päivinen then served as Associate Professor (1985) and Professor (1998), and as Deputy Dean (1990–1991) and Dean (1992–1993) of the Faculty of Forestry, University of Joensuu.

In 1993, Professor Päivinen was invited to lead the newly established European Forest Institute as Acting Director, where he was appointed Deputy Director (1993–2000), served as Director of EFI (2000–2014) and retired in 2015. Since January 2015, he has worked as Senior Advisor at Tapio Ltd., Finland. Professor Päivinen's scientific interests range from inventory of forest resources, remote sensing and forest management planning to global forest monitoring, sustainability assessment, information services and in recent years to science-policy-practice interaction. He has authored and co-authored more than 130 scientific papers.

Professor Päivinen has been a member of advisory boards, e.g., International Center of Forestry and Forest Industry, St. Petersburg Forest Technical Academy (1997–2014), the EU FLEGT–REDD Facility, boards, e.g., Finnish Society of Forest Science, Foundation for European Forest Research (1997–2014); steering committees, e.g., European Innovation Partnership (2012–2014); editorial boards, e.g., Forest Ecology and Management (1997–2006), and International Journal of Forest Research (2002–2010), to name just a few. He was made a Corresponding Member of the Italian Academy of Forest Sciences (*Accademia Italiana di Scienze Forestali*) in 2005. In 2018, he was elected as Chair of the Finnish Forest Mensurationist Club. His achievements have been recognized with many honours and awards, including Golden Medals from St. Petersburg Forest Technical Academy, Russia (2003), National Forest Centre of Slovak Republic (2005), Finnish Taxator's Club (2006) and *Metsähallitus* (2013); Honorary Doctorate of University of Freiburg, Germany (2008) and Cajander Silver Medal from the Finnish Society of Forest Science (2009). He was decorated as 'Knight, First Class, of the Order of the White Rose of Finland' (2005).

Professor Päivinen has a long-term record of service in IUFRO. He served as Chair of S4.02.05 Remote Sensing and World Forest Monitoring (1991–1995), Leader of RG 4.02 Forest Resources Inventory and Monitoring (1996–2000) and Coordinator of IUFRO TF on Global Forest Information Service (1998–2005).

Selected research sources:

1. *A Planning Model for Forest Inventory.* (Dissertation) University of Joensuu. Publications in Science 11. 179 p. 1987.
2. *Reference sample plots to combine field measurements and satellite data in forest inventory.* Kilkki, P. and Päivinen, R. University of Helsinki, Department of Forest Mensuration and Management. Research Notes 19. 7 p. 1987.
3. A concept for assessing sustainability impacts of forestry-wood chains. Päivinen, R., Lindner, M., Rosén, K. and Lexer, M.J. *European Journal of Forest Research* 131(1):7–19. 2012.

Personal sources:

Päivinen R. Personal communications (April 2019) at paivinen.r@gmail.com

PRICE, Martin Francis



Martin Francis Price received the IUFRO Distinguished Service Award in 2000 for advancing IUFRO expertise in the roles of forests in the sustainable development in mountain regions.

Martin Price was born on 26 April 1957 in London, UK. He earned a B.Sc. (Sp. Hons.) in Natural Environmental Science (1978) at the University of Sheffield, UK, a M.Sc. in Environmental Science (1981) at the University of Calgary, Canada, and a Ph.D. in Geography (1988) at the University of Colorado, USA. He worked in various positions in Canada (1981–1984), as a Scientific Associate in Bern, Switzerland (1985/1986) and as a Post-doc at the National Center for Atmospheric Research in Boulder, CO, USA (1988–1991). In 1991, he was appointed Scientific Director at the International Centre for Alpine Environments in France. He worked at the University of Oxford as Research scientist (1992–1995) and Programme leader of Mountain Regions and Conservation Programme (1995–2000). Since 2000, he has been

Director of the Centre for Mountain Studies, Perth College, University of the Highlands and Islands (UHI Millennium Institute until 2011) in Scotland, and was appointed Professor Mountain Studies in 2005. He was Adjunct Professor at the University of Bergen, Norway from 2014 to 2017, and has been the Chairholder of the UNESCO Chair in Sustainable Mountain Development since 2009.

As an expert in sustainable mountain development, mountain protected areas and biosphere reserves, upland policy and socio-economic changes in mountain regions, Prof. Price has served on numerous committees nationally and internationally. Since 1993, he has been a member of the UK National Committee for UNESCO's Man and the Biosphere Programme, and its Chair (2011–2018) and Vice Chair (since 2018). He has been the founding chair (1998–2003) of the Royal Geographical Society's Mountain Research Group. He has worked with international organizations including the European Commission, FAO, IUCN, UNDP, UNEP and UNESCO, and has been a principal organizer and co-organizer of many meetings on mountain issues and a member of advisory and editorial boards of scientific journals including *Society and Natural Resources* (1994–1999), *Mountain Research and Development* (since 1994), *International Journal of Biodiversity Science and Management* (since 2005) and others, including as Associate Editor-in-Chief of *Journal of Mountain Science* since 2004. He served as the Coordinator of IUFRO TF on Forests in Sustainable Mountain Development (1996–2000) and co-edited a book on the topic. He has authored and co-authored over 60 peer-reviewed papers, 4 books, 26 reports, 25 book chapters, and has also edited 13 books and 5 journal issues. He has supervised over 50 graduate and doctorate students.

Professor Price has received numerous grants, awards and other recognitions including the Nobel Peace Prize as Principal Lead Author, Inter-governmental Panel on Climate Change (2007), King Albert Mountain Award (2012) and Fellowship of the Royal Society of Edinburgh (2018).

Selected research sources:

1. Mountain research in Europe: An overview of MAB research from the Pyrenees to Siberia. Man and the Biosphere Series No. 14, UNESCO/Parthenon, Paris/Carnforth, 1995. xxiv + 230 p.
2. *Forests in sustainable mountain development: A state-of-knowledge report for 2000*. M. Price and N. Butt, eds. CAB International, Wallingford. xxxiii + 590 p. 2000.
3. *Mountains: A very short introduction*. Oxford Univ. Press. xviii + 134 p. (In Japanese, 2017). 2015.

Personal sources:

1. URL: www.perth.uhi.ac.uk/mountainstudies Retrieved 03.06.2019.
2. Price M. Personal communications (June 2019) at Martin.Price.perth@uhi.ac.uk

SAARIKKO, Jarmo Uolevi



Jarmo Uolevi Saarikko received the IUFRO Distinguished Service Award in 2000 for his outstanding contribution into IUFRO information technologies and Internet advancement.

Jarmo Saarikko was born on 7 October 1957 in Helsinki, Finland. From 1976 to 1992 he studied zoology, botany and geography at the University of Helsinki and spent one year as an exchange student at the Southern Illinois University at Carbondale, USA (1980/1981). He received his B.Sc. in Zoology (1983), M.Sc. in Zoology (1988) and a Licentiate degree in Zoology (1992) from his *alma mater*. In parallel, he also collaborated with the University's Museum of Zoology, Bird Ringing Centre (1986–1987). He then worked as a Researcher at the University of Helsinki (1988–1993).

Since 1993, his career has been linked with the Finnish Forest Research Institute (*Metsäntutkimuslaitos*, Metla, now Natural Resources Institute Finland (Luke, *Luonnonvarakeskus*) in which he has served as a Senior Advisor, in IT (1994), Communications/Internet services (2001), Library (2006), and Senior Specialist in Information Services at Luke (2015–2017). On the Metla website he has run a very popular and well-known service “World Wide Web Virtual Library: Forestry” (1995–2008) that has linked forest researchers all over the world. In November 2017, he moved to work as an Information Specialist at the National Library of Finland, an independent institute under the University of Helsinki.

His early research interests focused primarily on zoology with a concentration on the behavioral ecology of shrews, which he studied under the guidance of the famous ecologist, Professor Ilkka Hanski. His work with the Bird Ringing Centre resulted in the first computerized ring recovery maps. He then changed his career direction, working in research support as a qualified information professional specializing in metadata, taxonomies, classification, ontologies, knowledge management, and library services. He had started growing expertise in this area by providing information on the research activities at the Department of Zoology in the Gopher network, the predecessor of World Wide Web. Mr. Saarikko has authored and co-authored over 30 research and technical papers, reports and edited books.

Mr. Saarikko joined IUFRO unit S6.03-00 and participated from the start in IUFRO–METLA collaboration on information technologies and Internet (1994). He served as Deputy Coordinator for 6.03.03 Forest Decimal Classification (2001–2005), and 9.01.01 Library, information networks and terminology (2011–2017). He has had an impact on the early presence of IUFRO on the Internet by being webmaster on the first website and homepage for IUFRO at Metla in Helsinki for its first year. He supported the IUFRO World Congress in Tampere via its local host organization and maintained the website content for many years after the Congress. He was member of the IUFRO TF on Internet Resources (1995–2000) and later the IUFRO GFIS Task Force (2000–2005) and served in both of them as a Secretary. He participated in three world congresses in Tampere (1995), Kuala Lumpur (2000), and Brisbane (2005). He published the GFDC in Finnish (2016) and Swedish (2017) and has been developing a multilingual online version of the GFDC.

ORCID ID: <https://orcid.org/0000-0002-6801-6151>

Selected research sources:

1. Timing of rest and sleep in foraging shrews. *Animal Behaviour* 40(5): 861–869. (with I. Hanski). 1990.
2. The forest of information: beating paths through the jungle. *Unasyilva*, No. 204 Looking forward, Vol. 52–2001/1. (with R. Päivinen, R. Mills and M. Hailu). 2001.
3. *Global Forest Decimal Classification (GFDC)*. D. Voshmgir, J. Saarikko and B. Holder, eds. Prepared by IUFRO Working Party 6.03.03. IUFRO World Series Vol. 19. Vienna. 338 p. 2006.

Personal sources:

Saarikko J. Personal communications (June 2019) at jarmo.saarikko@helsinki.fi

SCHÖNENBERGER, Walter



Walter Schönenberger received the IUFRO Distinguished Service Award in 2000 for his outstanding contribution to Division 1 activities on forests in mountain regions.

Walter Schönenberger was born on 15 July 1944 in Kirchberg, Switzerland. From 1966, he studied biology and earned a diploma (1971) and Dr. rer. nat. (1978) at the University of Fribourg. In 1972 he began his 34-year professional career at Swiss Federal Institute for Forest, Snow and Landscape Research (WSL), starting as a Research Scientist, and over the years progressing to Head of the research group on High Altitude Afforestation (1982–1994), and Manager of multidisciplinary projects on development on windthrow areas (from 1991). He served as a head of several research sections, e.g., on silviculture (1992–1994), mountain forests and of the research group mountain forest dynamics (1994–1999), and on the ecology of mountain forests (1999–2006). He was an Exchange Scientist at the Forest Research Institute in Christchurch, New Zealand (1980–1981).

Dr. Schönenberger focused his research in the areas of forest regeneration in avalanche areas, ecology of the alpine timberline, ecology and techniques of afforestation at high altitudes, reforestation and natural forest regeneration in subalpine forest fire areas, reforestation of windthrow areas, and management of protection forest. He authored and co-authored 110 research papers, book chapters and technical reports in these and related fields of research. He was an organizer and co-organizer of several international workshops in these topics.

In parallel to his research, Dr. Schönenberger lectured at the Swiss Federal Institute of Technology and taught case studies in high altitude afforestation. He organized an annual excursion and afforestation course at the research site Stillberg near the treeline ecotone (1980–2230 m a.s.l.) in Davos area, the Central Alps for students with focus on natural hazards and tending of protection forest. He served as a co-referee for many diploma and PhD theses at Swiss Federal Institute of Technology, University of Chambéry, and University of Grenoble, France. He has offered regional courses on afforestation, forest regeneration, mountain silviculture, windthrow, management of mountain forest for forest managers and forestry students.

Dr. Schönenberger has been a member of *Schweizerischer Forstverein* (Swiss Forest Association) and the Swiss Academy of Sciences, and served at the scientific committee AlpenForum. He actively participated in IUFRO activities within WG on Ecology of Subalpine Zones that participated in the EU-project INTEGRALP, and as Deputy Coordinator of WP 1.05.14 Silvicultural Problems in Mountain Regions (1991–2000).

Selected research sources:

1. Structure of mountain forests: assessment, impacts, management, modelling. *F. Ecol. and Mgmt.* May 145 (1–2): 1–2. (with P. Brang). 2001.
2. *Vivian's legacy in Switzerland – impacts of windthrow on forest dynamics.* W. Schönenberger, A. Fischer and J.L. Innes, eds. *Forest Snow and Landscape Research* 77(1–2): 1–224. 2002.
3. Silviculture in mountain forests. In: *Encyclopedia of forest sciences.* Elsevier Academic Press, vol. 3, 1085–1094. (with P. Brang). 2004.
4. Reforestation in central Europe: lessons from multi-disciplinary field experiments. *For. Snow Landsc. Res.* 78, 1/2: 53–69. (with P. Brang and A. Fischer). 2004.

Personal sources:

Schönenberger W. Personal communications (August 2019) at schönenberger@wsl.ch

SZARO, Robert (Bob) Chester



Robert Chester Szaro received the IUFRO Distinguished Service Award in 2000 for expertly guiding the IUFRO Special Programme for Developing Countries and improving forestry research throughout the world.

Robert Szaro was born on 17 January 1949 in New York City, USA. He earned his B.Sc. in Wildlife and Fisheries Science (Dual Major with honors) at Texas A&M University (1970), M.Sc. in Zoology at University of Florida (1972) and Ph.D. in Ecology at Northern Arizona University (1976). In 1993, he has also attended Senior Executive Fellows Program (SEF) at Harvard University. Dr. Szaro began his career a Teaching Assistant at the University of Florida (1972) and then as Research Assistant at Northern University (1973–1976), Adjunct Professor at University of Maryland (1978), and University Associate at Arizona State University, Tempe, Arizona (1978–1988).

In 1976, he began his service in various positions at governmental agencies, including the US Fish and Wildlife Service Center in Maryland (1976–1978), the USDA FS Rocky Mountain & Range Experiment Station (1989–1992), Washington Office in D.C. (1992–1996), as Deputy Director of Pacific Northwest Research Station (2000–2004), and as Chief Scientist for Biology at the US Geological Survey in Reston, VA (2004–2008). After retirement, he was a Consultant and Smithsonian Journeys Study Leader at Smithsonian Institution, Washington, D.C. (2008–2016), Wine Educator at Doukenie Winery, Purcellville, VA (2009–2016) and a Consultant to the World Bank (2017). Dr. Szaro was recognized with numerous awards for his services and achievements.

Dr. Szaro has a wide spectrum of research interests starting from zoology and nature conservation to ecosystem services and adaptive management. He has authored and co-authored more than 130 scientific papers, has edited four special journal issues and three books. He has served on the Editorial Advisory Board for *Landscape and Urban Planning* (1994–2008) and was a member of the editorial board of several other journals. He was part of the U.S. Delegation to the Biodiversity Convention Conference of the Parties (COP), and the WB GEF on biodiversity conservation in production forests.

In 1996–2000, Dr. Szaro served as Coordinator for the IUFRO–SPDC and Agricultural Attaché (Forestry) for the U.S. Embassy in Vienna, Austria. In his capacity as Coordinator for IUFRO–SPDC (1996–2000), he was responsible for forestry research capacity building efforts throughout the developing world with particular focus primarily on Africa, Asia, and Eastern Europe. He then served as a Coordinator of TF on Endangered Species and Nature Conservation (2006–2010).

Selected research sources:

1. Riparian forest and scrubland types of Arizona and New Mexico. *Desert Plants* 9: 66–139. 1989.
2. IUFRO's Special Programme for Developing Countries: 15 years of progress. In: *25th Anniversary IUFRO Secretariat in Vienna, Austria*. IUFRO, Vienna, p. 16–17. 1999.
3. Evolving approaches toward science-based forest management. *Forest, Snow and Landscape Research* 78(1–2): 9–20. (with C.E. Peterson). 2004.

Personal sources:

Szaro R.C. Personal communications (April 2019) at rszaro@gmail.com

WHITEHEAD, David



David Whitehead received the IUFRO Distinguished Service Award in 2000 for his outstanding leadership in contributing knowledge of canopy processes and physiological regulation of forest water and carbon exchange.

David Whitehead was born on 14 May 1951 in Coventry, U.K. He earned his B.A. (First Class Hons) in Biology at the University of York (1972) and Ph.D. in Environmental Physiology at the University of London (1976). In 1972, he started his research career in crop physiology at Rothamsted Research in Harpenden, one of the oldest agricultural research stations in the world, and the University of London and proceeded as a Post-Doctoral Fellow at the University of Edinburgh (1975–1979).

In 1979, Dr. Whitehead moved to New Zealand where he was appointed as a Scientist at the Forest Research Institute (now Scion, a Crown Research Institute) in Rotorua and Christchurch (1992–2011). He was promoted to Science Team Leader and Chief Scientist (2011–2016) at the Manaaki Whenua – Landcare Research at Lincoln. Since 2016, he has served there as a Scientist. In parallel, he has worked as a Principal Investigator in Soil Carbon Research at New Zealand Agricultural Greenhouse Gas Research Centre (since 2010) and Adjunct Professor at the School of Biological Sciences, University of Canterbury (since 2013). He has taught also at Lincoln University and Victoria University of Wellington and co-supervised 16 Ph.D. and 3 M.Sc. students. He has been a visiting researcher in USA and Canada (1996–1997), France (2003), Australia and other countries.

Since his post-doctoral work on investigating forest water use in relation to wood structure, Dr. Whitehead's research interests have focused on the processes regulating carbon, water and energy exchange in *Pinus radiata* forests, measuring and modelling biophysical processes regulating water use and carbon sources and sinks in forest, shrubland and grassland ecosystems. More recently, Dr. Whitehead has worked in agricultural systems, studying the effects of environmental and management practices on changes in soil carbon storage, soil carbon and nitrogen dynamics and on science/policy interface in global change issues. He has authored and co-authored about 150 peer reviewed journal articles, 14 book chapters and books edited and 24 conference proceedings.

Dr. Whitehead is a member of numerous professional societies including the British Ecological Society (1978–2019), the Royal Society of New Zealand (1979), and was a member of the New Zealand Society of Plant Physiologists (1979) and its President (1981–1982). He has served as a member of editorial boards of scientific journals, e.g., *Tree Physiology* (since 2000) and *Functional Ecology* (2005–2016), invited Reviewer at the Australian CRC for Forestry (2006–2010), Chairman Science Review Panel for CSIRO Division of Sustainable Ecosystems, Australia (2009) and a member of the Scientific and Technical Committee of the '4 per 1000' Initiative (2016–2019). Dr. Whitehead was Deputy Leader (1981–1993) and Leader (1994–2000) of IUFRO WG 2.01.12 Canopy Processes. Dr. Whitehead received a certificate acknowledging his contribution to the Nobel Peace Prize awarded to the IPCC in 2007 and was elected as a Fellow of the Royal Society of New Zealand in 2012.

Selected research sources:

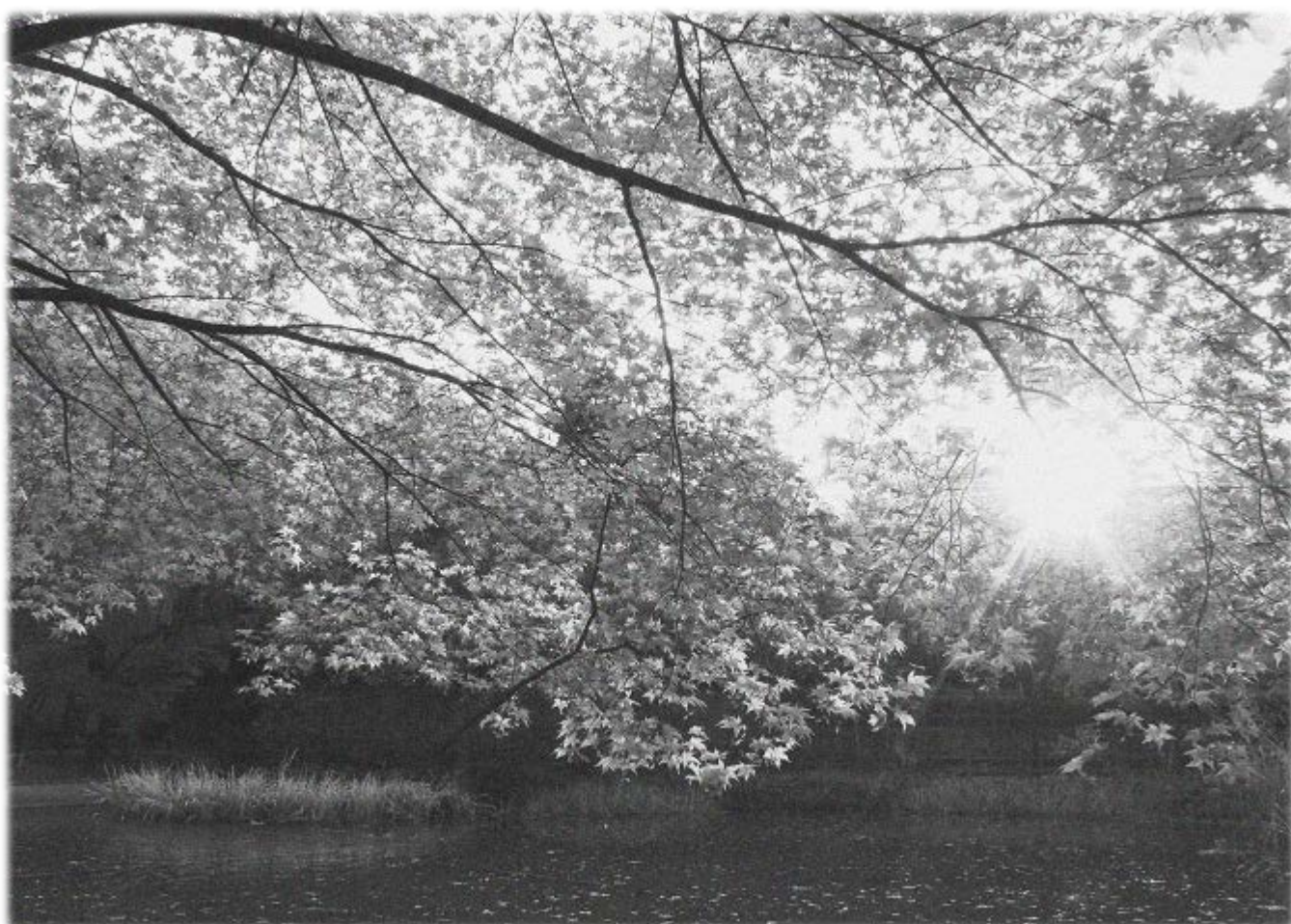
1. *Crown and Canopy Structure in Relation to Productivity*. Fujimori, T. and D. Whitehead, eds. Proceedings. Forestry and Forest Products Research Institute, Ibaraki, Japan. 448 p. 1986.
2. Forests as carbon sinks – benefits and consequences. *Tree Physiology*, Sept. 31(9): 893–902. 2011.

Personal sources:

Whitehead D. Personal communications (June 2019) at whiteheadd@landcareresearch.co.nz

2001 – 2005

<i>Jochen KLEINSCHMIT</i>	<i>Germany</i>	<i>2002</i>
<i>Leon E. MEJNARTOWICZ</i>	<i>Poland</i>	<i>2002</i>
<i>Gerhard MANNSBERGER</i>	<i>Austria</i>	<i>2003</i>
<i>Hans-Jakob MUHS</i>	<i>Germany</i>	<i>2004</i>
<i>John A.P.E. YOUNGQUIST</i>	<i>USA</i>	<i>2004</i>
<i>Nikolay A. MOISEEV</i>	<i>Russian Fed.</i>	<i>2004</i>
<i>Gary J. BACON AM</i>	<i>Australia</i>	<i>2005</i>
<i>John L. INNES</i>	<i>Canada</i>	<i>2005</i>
<i>Howard N. ROSEN</i>	<i>USA</i>	<i>2005</i>
<i>Rodolphe SCHLAEPFER</i>	<i>Switzerland</i>	<i>2005</i>
<i>Eric B. TEISSIER DU CROS</i>	<i>France</i>	<i>2005</i>
<i>Keith RENNOLLS</i>	<i>UK</i>	<i>2005</i>



KLEINSCHMIT, Jochen



Jochen Kleinschmit received IUFRO Distinguish Service Award in 2002 for his longstanding contribution to IUFRO activities within the Division 2.

Jochen Kleinschmit was born on 19 June 1936 in Escherode, Germany. He studied forestry at the Faculty of Forestry in Hannover Münden (University of Göttingen) and in Freiburg and graduated with Dipl. Ing. Forestry (1961), and in 1963, he got his Ph.D. in Forestry from the Department of Silviculture from the University of Göttingen, at the age of 27. He served as an Assistant in the Ministry of Agriculture of Lower Saxony, Hannover (1963–1964), Assistant at the Institute for Forest Utilization of Göttingen University (1964–1965) and in the Institute of Forest Genetics of the Federal Research Organization in Schmalenbeck. From 1967, his professional career was linked with the Lower Saxonian Forest Research institute in his home town Escherode, where he served as Head of the Forest Office and the Department of Forest Tree Breeding (later – Department of Gene Resources) until his retirement in 2001.

Dr. Kleinschmit's earlier professional interests were focused on forest tree breeding and related areas, in which he conducted pioneer research in the propagation of conifers, mainly Norway spruce, on large-scale cuttings, and on the provenance of broadleaved tree species such as oaks and beech. Jochen Kleinschmit and his coworkers used 130 Douglas fir provenances collected in the USA and Canada, which served as the basis for a European international provenance experiment. These provenance trials were evaluated 25 years later. Latterly, he worked on the gene conservation of such noble hardwoods as wild pear, wild apple, wild cherry, nuts, ash, maple, and elms, being involved in the EUFORGEN program and led the Network on Noble Hardwoods. His research activities have been always tightly linked to forestry practice.

Dr. Kleinschmit authored and co-authored over 270 papers, book chapters and reports including more than 50 articles in leading journals such as *Allgemeine Forst- und Jagdzeitung*, *Silvae Genetica*, *New Zealand Journal of Forest Science* and over 120 papers in other sources. He has served as a member several editorial boards of scientific journals including *Silvae Genetica*, *Forest Genetics*, *Annales des Sciences Forestières*, *Acta Forestalia Fennica*, and of various commissions for the evaluation of the scientific activities in the U.K. and France. Dr. Kleinschmit has been a member of German State forest tree breeding association, Federal-State Organization for the Conservation of Forest Genetic Resources and the Association for the Control of Forest Reproductive Material. He also served as an expert to the GTZ in several missions.

Dr. Kleinschmit served for two terms as Coordinator of the WP on Norway spruce breeding (1972–1981) and then WP on breeding theory (1982–1990). He has organized and has been co-organizer of many IUFRO international meetings, e.g., on Norway Spruce Provenances and Breeding (Bucharest, 1979), and several other conferences and symposia held in Escherode, e.g., on Breeding Programmes and Strategies (1982).

Selected research sources:

1. Biotechnologische Verfahren bei Generhaltung und Züchtung von Waldbaumarten. *BioEngineering*, 3: 236–239. (with D. Hoffmann, A. Meier-Dinkel, and J. Jörgensen). [Biotechnological procedures for the conservation and breeding of forest tree species]. 1988.
2. Integration of Conservation and Utilization in Temperate Hardwood Species, p. 1–13. In: *Biodiversity: Biomolecular Aspects of Biodiversity and Innovative Utilization*. B. Sener, ed. Pringer US. xx, 412 p. (with J.R.G. Kleinschmit). 2002.

Personal sources:

1. Paule L. (2001) A Proposal for awarding of DSA to Dr. Jochen Kleinschmit.
2. Kleinschmit J. Personal communications (November–December 2019) at jochen@kleinschmit.de

MEJNARTOWICZ, Leon E.



Leon E. Mejnartowicz received the IUFRO Distinguished Service Award in 2002 in recognition of his contribution to IUFRO activities within Division 2 since 1978.

Leon Mejnartowicz was born on 6 January 1939 in Szczepanowicze, Poland (now in the Republic of Belarus). He attended Krasiczyn's Forestry School (1952–1956), and was recognized there by the Minister of Forestry with a Matriculation Award in 1956. He worked in Olsztyn's Forest Appraisal and Survey Bureau (1957–1959), studied Biology at Olsztyn Pedagogical Institute (1959–1961) and Biology and Earth Sciences at Nicolaus Copernicus University in Toruń (1961–1966) receiving a M.Sc. in Biology (1966). In 1966, he began his research career at the Institute of Dendrology, Polish Academy of Sciences in Kórnik from which he retired in 2008. He obtained his PhD in Biology (1971) and Habilitation in Genetics (1976) from the Institute of Applied Sciences / Agricultural University in Poznań. He became Associate Professor in 1988 and Full Professor of the Polish Academy of Sciences in 1993. He was granted a DAAD scientific scholarship at Georg August University in Gottingen, Germany (1973–1974), and then became Head of the Isoenzymes Laboratory at ID PAS Kórnik (1975–1976) and established the Biochemistry Genetics Laboratory at Institute of Dendrology in Kórnik in 1977. In 1980 he was elected as Professor of Genetics at Nicolaus Copernicus University in Toruń and in 1984 invited to Oxford and Gottingen Universities to lecture on the effect of environmental pollution on the genetic structure of forest tree populations. He served as a Visiting Professor at Georg August University of Gottingen (1982, 1985, 1987, 1999) and the Toruń University (1990).

Dr. Mejnartowicz worked intensively in the field of plant genetics, biochemical genetics, forest population genetics, provenance study of Douglas fir (104 populations), European and Polish larch, Norway spruce, Scots pine, Yew, and other species. He pioneered and was involved in the study of all 18 Carpathian and 10 Sudeten populations of silver fir, and numerous provenances of black alder using isoenzymes as genetic markers as a tool for the identification of a lost population. He authored and co-authored over 130 scientific publications. He pioneered the introduction of isoenzymatic study of mistletoe (*Viscum album*) and undertook a very important genetic analysis of differences between and into populations of forest trees.

Dr. Mejnartowicz was a Member of Polish Botanical Society and Polish Genetics Society. He also served as a member of the editorial board for several journals, including *Forest Genetics* (1993–1998), *Dendrobiology*, *Acta Societatis Botanicorum Poloniae* (1988–2009), Deputy Coordinator of the IUFRO units S2.09.15 Genetic Aspects of Air Pollution and WP 7.04.00 Genetic Aspects of Air Pollution (1978–2001), member of the Evaluation Team of International Science Foundation Research Grants Program, Washington, USA (1991–1996), and was Deputy Chairman for the monograph "Our Forest Trees" (1975–1990). He has been recognized nationally and internationally by the Polish Academy Sciences Award (1977), the Award of German Forester Bound (1986), and the Moscow State Forest University Award (2009).

Selected research sources:

1. Provenance differentiation among Douglas fir seedlings. *Arboretum Kornickie* 15: 198–219. (with S. Białobok). 1970.
2. Genetic analysis of silver-fir populations in the Northern Carpathian and Sudeten mountains. *Acta Societatis Botanicorum Poloniae* 73(4): 285–292. 2004.
3. Reconstitution of a lost forest tree population: a case study of Norway spruce (*Picea abies* (L.) Karst.). *For. Ecol. Mgmt.* 255 (1): 2103–2108 (with W. Chałupka W. and A. Lewandowski). 2008.

Personal sources:

Mejnartowicz L. Personal communications (March–June 2019) at lmejart@neostrada.pl

MANNSBERGER, Gerhard



Gerhard Mannsberger received the IUFRO Distinguished Service Award in 2003 for his long-term involvement in IUFRO business and his outstanding personal role and commitment in supporting the IUFRO Secretariat and the Union.

Gerhard Mannsberger was born on 3 March 1961 in Wiener Neustadt, Austria. In 1980–1987, he studied forestry and received his Diplom-Ingenieur from the University of Natural Resources and Life Sciences (BOKU). After working in the fields of science and consulting (forest ecology, forest protection) at the Austrian Health Department, at the Austrian Environment Agency and in a private Company (1984–1989), he began his career as a governmental forest officer being appointed as an expert of the Department (1989) and then Deputy Director for Forestry (1992) at the Government of Lower Austria. In 1996 he was promoted to the Head of Directorate General for Forestry at the Austrian Federal Ministry for Agriculture, Forestry, Water Management and Environment, a position that he held until the end of 2018. During this period, Gerhard Mannsberger carried out additional responsibilities, leading the sector on the “protection against natural hazards” (2002–2007), being also the Republic of Austria Owners’ representative at the Austrian Research Center for Forests (BFW) (2005–2018) and Person in charge for the Federal Budget line of about 300 Mio Euro allocated for the sector “Forest, Water, Natural Hazards” (2014–2018). He played a key role in establishing the bioeconomy strategy of the Ministry. In parallel to his responsibilities, Mr. Mannsberger has been a lecturer on Forest Policy Strategies in Europe at BOKU (2002–2017) In February 2018, he was appointed Vice Rector for Organization and Process Management at BOKU, and in April 2018, he became the Chair of the Board of Directors of Austria Federal Forests (*Österr. Bundesforste*).

Dipl.-Ing. Mannsberger worked on various issues, e.g., sustainable forest management linking forests environmental services (water, air, recreation) with social issues, pursuing the path “ecology and economy in the forest”, forestry and natural hazards, Austrian forest policy in national and international context. He participated in several research projects related to forest decline (*Waldsterben*) (e.g. in the Austrian State Forests). He authored and co-authored several scientific and technical publications and reports, including articles in journals and various proceedings of scientific meetings, and other sources.

Dipl.-Ing. Mannsberger has been a member of several national and international professional societies, organizations and processes, e.g. Ministerial Conference on the Protection of Forests in Europe (e.g. Vienna 2003, Warsaw 2007, etc.), UN Intergovernmental Forum on Forests and Forest Forum, European Commission, EFI and others. His contribution was recognized with several honours and awards, such as Order of Merit of the Republic of Austria (Großes Silbernes Ehrenzeichen, 2006), Honorable Member of the Forest Manager Association of Romania (2003), Award of PEFC–Austria (2017), Honorary Senator of the University of Life Sciences Vienna (2017), to name just a few. From 1996, Gerhard Mannsberger served IUFRO in various capacities and since 2003 has been the IUFRO Board member representing Austria as the host country and maintaining comfortable working conditions for the IUFRO Secretariat in Vienna.

Selected research sources:

1. *Sustainable forest management as a basis for a steady supply of high quality wood and lumber: an introduction to Austrian forestry*. Proceedings, FAO Workshop (Ossiach, Austria, 18–24 June 2001). <http://www.fao.org/3/Y9351E/Y9351E04.htm#ch4> Retrieved 20.06.2019.
2. Forests and public health: The Austrian experience and hopes. The Green Care Wald project. *Santé Publique*, S1, 2019/HS Forests and public health, pp. 257–262. 2019.

Personal sources:

1. URL: <https://www.boku.ac.at/en/universitaetsleitung/rektorat/vizektor-fuer-organisation-und-prozessmanagement/> Retrieved 24.02.2019. Photo.
2. Mannsberger G. Personal communications (June 2019) at gerhard.mannsberger@boku.ac.at

MUHS, Hans-Jakob



Hans-Jakob Muhs received the IUFRO DSA in 2004 for his long-term contribution into IUFRO advances in biochemical genetics, improvement and silviculture of beech, and on legislation on forest reproductive material.

Hans-Jakob Muhs was born on 14 February 1939 in Alt-Mühlendorf/Warder, Schleswig-Holstein, Germany. He earned his Diploma in Wood Science at the University of Hamburg (1968). He received a prize from the Freiburg Forest Faculty for his dissertation, also accepted as his habilitation thesis, on “Investigation of the population structures of different selection lines of *Drosophila melanogaster* using isozymes”. It was supervised first by Klaus Stern at the Institute of Forest Genetics and Forest Tree Breeding (BFH – Institut für Forstgenetik) at Grosshansdorf, Germany, and then under Hans Marquardt at the Forest Botanical Institute, Forest Faculty of Freiburg, Germany (1976). He served as Deputy Director of the BFH – Institut für Forstgenetik (1976–1989) and Director until his retirement (2004).

The methodology of Isozyme separation and interpretation of gene loci was first studied by Dr. Muhs on *Drosophila melanogaster* and then applied to tree species. These biochemical methods turned out to be a powerful tool in forest genetics and tree breeding. Later, his interests changed to the genetic structure of tree species, especially provenance studies of European Beech (*Fagus sylvatica* L.). He established several international series of beech provenance trials and initiated additional series after *détente* (1990) in the eastern part of the distribution area. More than 400 provenances originating from the whole area of distribution were tested on over 70 field-testing sites located throughout the range of beech. IUFRO helped in collecting the numerous seed samples and in establishment of the field sites.

As consultant to the national government, the EU Commission, and the OECD, Dr. Muhs contributed to a fundamental revision of the rules for the marketing of forest reproductive material. Progress in the procurement, production, and widening of the species spectrum of forest reproductive material as well as new methods of cloning by *in vitro* culture as a prerequisite for genetic modifications, all required a comprehensive revision of the rules. After intensive work and over 12 sessions, a majority of countries adopted the completely revised draft of the OECD Scheme. The revision of the OECD-Scheme would not have been possible without the contacts provided by IUFRO.

Dr. Muhs contributed to IUFRO for 30 years. He co-chaired IUFRO WP S2.04-05 on Biochemical Genetics, (1973–1986), founded, coordinated and participated in two IUFRO units – the Interdivisional WP S2.10.00 on Improvement and Silviculture of Beech (1984–1996) and WP S2.03-14 on Legislation on Forest Reproductive Material (1985–2004). He organized and supported numerous IUFRO workshops and meetings in these fields and in 1995 received the IUFRO Certificate of Appreciation.

Dr. Hans-Jakob Muhs died on 20 July 2021 in Kleve, Germany, and was buried at the New Ahrensburg Cemetery, Bornkampsweg.

Selected research sources:

1. Measures for the conservation of forest gene resources in the Federal Republic of Germany. In: *Genetic Effects of Air Pollutants in Forest Tree Populations*. F. Scholz, H.-R. Gregorius and D. Rudin, eds. Springer-Verlag, Berlin Heidelberg, pp. 187–198. 1989.
2. Variation in temperature sum requirements for flushing of beech provenances. *Silvae Genetica* 44, 343–346. (with G. von Wuehlisch and D. Krusche). 1995.

Personal sources:

Muhs H.-J. Personal communications (October–November 2019) via Dr. Georg von Wühlisch.

YOUNGQUIST, John A.P.E.



John A.P.E. Youngquist received the IUFRO Distinguished Service Award in 2004 for his longstanding leadership of Division 5 and other services for IUFRO.

John Youngquist was born in 1939 in Madison, Wisconsin, USA. In 1962, he obtained his B.Sc. in Chemical Engineering and Professional Engineering (P. Eng.) Registration (1965) from the University of Wisconsin–Madison. He then studied law (1965), and Business Management (1977) at the University of Wisconsin–Madison and Statistics & Advanced Calculus at Rutgers University, New Brunswick, NJ (1967). He began his professional career at Ray-O-Vac Corp. working as a Technical Manager, Quality Control Manager, and Assistant Plant Manager (1967–1975). In 1975, he joined the USDA FS Forest Products Laboratory in Madison (FPL–M) as a Research Project Manager, and retired from that position in 1999. In 2000, he formed John Youngquist & Associates, specializing in scientific writing and consulting in the fields of natural resources and wood-based composite products.

John Youngquist is well-known for his pioneering research in wood chemistry, and the development of wood processing technologies and wood-based composite products. His consulting company focuses on the broad area of engineering, natural resources, and science and grant writing. He has also taught scientific writing for students and professors whose first language is not English.

Mr. Youngquist has served as member of the editorial board of *Journal of Tropical Forest Science* (1992–1995), Croatian journal *Drvna Industrija* (from 1994), *Journal of Tropical Forest Products* (from 1995), and CAB Abstracts (1997–2000). In 2004, he was a co-editor and prepared several chapters of the *Encyclopedia of Forest Sciences*. He authored and co-authored more than 120 scientific and non-technical papers and six approved patents. Mr. Youngquist was recognized with many honours and awards for his research and project management, including the USDA Superior Service Awards (1982, 1995, 1996, 1998, and 2001), Outstanding Federal Supervisor of the Year (1991), USDA FS Engineering Manager of the Year (1993), USDA FS Chief’s Award for Technology Transfer (1999), and several Certificates of Merit from FPL–M (1985–1997).

Mr. Youngquist is affiliated with several professional societies, e.g., Forest Products Society, where he served as Vice President, President-elect and President (1993–1996). He is also a Fellow of International Academy of Wood Science (since 1996). He has been active in IUFRO, serving as a Deputy Coordinator (1991–1995) and Coordinator of IUFRO Division 5 Forest Products (1996–2000), IUFRO Board member (1990–2000), Chair of the Honours and Awards Committee (1997–2000), and Chair of the Finance Committee (1997–2000).

Selected research sources:

1. Wood-Based Composites and Panel Products. Chapter 10. *Wood Handbook, Wood as an Engineering Material*. Gen. Tech. Rep. FPL–GTR–113, Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory. 31 p. 1999.
2. Forest products research in IUFRO: history and potential. In: *ICEUPT’99: Int. conf. on effective utilization of plantation timber*. 1999 May 21–23; Chi-Tou, Taiwan ROC. 16: 627–632 (with R.L. Youngs). 1999.
3. *Encyclopedia of Forest Sciences*. J. Burley, J. Evans and J.A. Youngquist, eds. Elsevier Academic Press: Amsterdam, 2004. In 4 volumes. 2400 p.

Personal sources:

1. John Youngquist. In: *Encyclopedia of Forest Sciences*. 2004.
2. Youngquist J. A. Personal communications (April 2019) at john@grant-assistance.com

MOISEEV, Nikolai Alexandrovich



Nikolai Alexandrovich Moiseev received the IUFRO Distinguished Service Award in 2003 for his long-term activities and promoting IUFRO in the USSR and Russia.

Nikolai Moiseev was born on 13 December 1929 in Yakutino, Grachevsky district, Orenburg region, but for his first 15 years grew up in the taiga forests in the River Pinega basin in Archangelsk region. He graduated with honours both from the Buzuluk Forestry College, Orenburg region (1949) and from the Faculty of Forestry, Leningrad Academy of Forestry Engineering (now St. Petersburg State Forestry University, named after S.M. Kirov) (1954) from where he earned his Ph.D. in Forestry (1958). He became Doctor of Science (1976), Professor (1987), Member of the USSR Academy of Agricultural Sciences (1988) and the Russian Academy of Sciences (2013).

In 1957, Professor Ivan S. Melekhov invited Dr. Moiseev to his recently established Institute of Forestry and Wood Chemistry, the USSR Academy of Sciences, where he progressed from Assistant Researcher to Senior Researcher (1959), Deputy Director for Research (1961) and Director of the Institute (1962–1965). From 1965, he worked at the All-Union Forest Research Institute and Forestry Mechanization (VNIILM) in Pushkino, Moscow region, where he progressed from Senior Researcher (1965) to Head of the Department (1967). In 1970–1977, he served as a Head of the Department of Science and International Relations of the USSR State Committee on Forestry, and from 1977 to 1996, Dr. Moiseev was Director of VNIILM and, from 1996, he headed the Department Economics of Forestry and Wood Industry at Moscow State Forest University.

The main research interests of Academician Moiseev are in the field of economics and organization of forestry, forest industry, forest management, state forest policy, forest legislation and forest management. He is the author and co-author of more than 550 scientific publications, including 25 books, monographs, textbooks, and manuals. He was awarded the USSR State Order of the Labour Red Banner (1979), the G.F. Morozov Gold medal (2003), and the G. Cotta medal (1986). He is an Honoured Forester (1979) and Honoured Scientist of the Russian Federation (1999), and member of many governmental, academic, and research councils, and editorial boards. He is also an Honorary Doctor of the St. Petersburg State Forestry Academy (2003) and the Northern (Arctic) Federal University (2009), Foreign Member of the Royal Swedish Academy of Agriculture and Forestry (KSLA), member Academy of Sciences and Literature of Finland, Italian Forest Academy, and Honorary Doctor of the Dresden Technical University, Germany. He is also an Honorary Citizen of Pushkino District (2000).

Academician Moiseev approached VNIILM to be a IUFRO member (1976). He was one of key organizers of IUFRO meetings in the USSR and Russia (1976, 1979, 1985, 1992, 1994), served as a member of IUFRO Executive Board (1977–1981), President's Nominee (1982–1986), and representative of the USSR to the IUFRO International Council (1987–1990). He was very active in holding two IUFRO Management Committee meetings in the USSR (Moscow and Sochi 1980) and Russia (Pushkino 2003). Professor Moiseev died on 23 July 2020 in Pushkino.

Selected research sources:

1. *Воспроизводство лесных ресурсов: Вопросы экономики, планирования и организации.* М.: Лесн. пром. 263 с. [Reproduction of forest resources: Issues of economy, planning and organization]. 1980.
2. *Лесоустройство в России.* М.: МГУЛ. 268 с. [Forest management and planning in Russia. Moscow, MSFU, 2014. 268 p. (with A.G. Treyfeld and R.G. Treyfeld).]. 2014.

Personal sources:

1. Моисеев Николай Александрович (к 85-летию). РАН, МГУЛ, ВНИИЛМ. Москва. 57 с. [Moiseev Nikolai Alexandrovich (to the 85th anniversary). RAS, MSFU, VNIILM. Moscow 2014. 57 p.]. 2014.
2. Моисеев Н.А. Personal communications (March 2019).

BACON AM, Gary John



Gary John Bacon AM received the IUFRO Distinguished Service Award in 2005 for his excellent work in organizing and holding the XXII IUFRO World Congress in Brisbane, Australia.

Dr. Gary Bacon was born on 16 May 1947 in Brisbane, Queensland, Australia. He obtained both his B.Sc. (Hons) (1970) and Doctorate (1978) degrees in Forestry from Australian National University. He pursued his career with Queensland (Qld) & New South Wales (NSW) Forestry and Qld Primary Industries (DPI). From 1971 to 1980, he worked in forest inventory, yield regulation programming, plantation establishment and thinning research.

After spending time as a Sub-District Forester he transferred into marketing, then research manager and Director field operations (1981–1990) before appointment as Assistant Commissioner of the NSW Forestry Commission (1990–1992). Dr Bacon returned to Qld as General Manager, Land Management DPI (1992–1995), and finally as Executive Director for Qld Forestry (1995–1999). From 2000–2018, he worked as an Adjunct Professor at the Environmental Futures Institute, Griffith University (GU) and acted as a consultant and JAS–ANZ accredited auditor to the Australian forest industry.

Dr. Bacon introduced a raft of new nursery and plantation management practices, new marketing protocols, established the Qld Forest Research Institute and a Forest Industry Development Division. His team at DPI created the first drought severity maps for Qld and Australia. The GU team established agroforestry trials with Australian Centre for Agricultural Research on- and off-shore. He authored and co-authored over 120 publications and reports.

Dr. Bacon chaired a number of national and international committees, advisory boards, and cooperation projects of Australia with the USSR (1990), CSIRO, New Zealand and Australian states (1996–2000). He served as National Secretary (1983–1985) and National President (1985–1986) for the Institute of Foresters of Australia (IFA), as well as Vice President for the International Union of Societies of Foresters (1990–1994). He was honored by IFA with the A.R. Henderson Bequest (1974), Hedges Prize (1977), Fellowship (1989) and William Jolly Medal (2000) for his research, administrative and teaching activities. He was awarded The Order of Australia (AM) in the Queen's Birthday Honours List (2016).

Dr. Bacon was Chair of the Australian Congress Organising Committee for the 2005 IUFRO Congress themed *Forests in the Balance: Linking Tradition and Technology*. It was the first Congress held 'down under' (southern hemisphere) in the 113 year history of IUFRO. Over 2100 participants from 90 countries attended.

Selected research sources:

1. Studies on the Establishment of Open Root Caribbean Pine Planting Stock in Southern Queensland. *Australian Forestry* 40 (3): 173–191. (with P.J. Hawkins). 1977.
2. A celebration of World Forest Research. *Australian Forestry* 69(2): 77–79. 2006.
3. Vertical distribution of soil extractable organic C and N contents in 78 year old tree plantations in subtropical Australia. *Environ. Sci. Pollution Research* 24: 22312–22320. (with X. Zhou, H. Dong, Z. Lan and C. Chen). 2017.

Personal sources:

1. Dr G. J. Bacon, President of the Institute for the Biennium 1985–86. *Austral. Forestry* 48 (4): 213. 1985.
2. Dr Gary Bacon. Recognition, Queens Birthday Honours. *IFA, The Forester*, June, p. 7–8. 2016.
3. Bacon G. Personal communications (April 2019) at gary-bacon@bigpond.com

INNES, John Lockhart



John Lockhart Innes received the IUFRO Distinguished Service Award in 2005 for his long-term contribution to IUFRO activities in various capacities.

John Innes was born on 3 September 1957 in Kirkcaldy, U.K. He earned his B.A. (1979) and Ph.D. in Geography (1982) from the University of Cambridge. He was a part-time researcher at the UK Nature Conservancy Council (1976) and the UK Institute of Terrestrial Ecology (1977–1979), part-time lecturer and tutor at the University of Cambridge (1982–1983), and NERC Research Fellow at University College Cardiff (1983–1985). In addition, he was a Senior Research Associate at the Climatic Research Unit of the University of East Anglia (1985), Lecturer at the University of Keele (1985–1986), and Senior Scientific Officer at the UK FC Research Division (1986–1992). In 1992, Dr. Innes was appointed as Head of the Forest Ecosystems Department at Swiss Federal Research Institute (WSL) in Birmensdorf, Switzerland (1992–1999). In 1999, he was appointed as Professor and Forest Renewal BC Chair of Forest Management at the University of British Columbia (UBC) in Vancouver, Canada, and from 2010 until now, he has been Dean of the Faculty of Forestry there.

During his career, Professor Innes has researched and taught various subjects such as geography, climate change, forestry, forest ecology, forest management, biodiversity conservation, social aspects of forest practices, and many others. He has actively participated in research projects in BC and Yukon Territory (Canada) as well as in the USA, Chile, Mexico, Peru, Republic of South Africa, India, Myanmar, People's Republic of China (PRC), and Australia. He is an Honorary Professor at the University of Melbourne and at four different universities in the PRC. He was part of the IPCC team that shared the Nobel Peace Prize (2007), and he is a holder of the CIF's International Forestry Achievement Award (2015). He was elected a Foreign Member of the Royal Swedish Academy of Agriculture and Forestry (KSLA) in 2018. In 1995, Professor Innes received the IUFRO Scientific Achievement Award. Professor Innes is Associate Editor of *Environmental Conservation* and a member of the Editorial Advisory Board of several other journals, research series and encyclopedias. He has authored, co-authored and edited over 300 papers and 18 books. He is a Registered Professional Forester (Australia). He is the Chair (now President) of the CFA (since 2010), Chair of the Standing Committee on Commonwealth Forestry (since 2012), a chair or a member of various organizations and associations on forest research and education, e.g., member of Advisory Group on Forestry Education of the UN FAO and Chair of the Asia-Pacific Forestry Education Coordination Mechanism (AP-FECM).

Professor Innes has an outstanding record of service for IUFRO since 1990 as a Chair of three Task Forces (Climate Change and Air Pollution, Environmental Change, and Resources for the Future), Chair of the IUFRO Congress Scientific Committee (2001–2005), Vice President Policy (2006–2010), and Chair of the Honours and Awards Committee (2014–2019). He has had a long-term service in decision-taking positions in IUFRO as a member of IUFRO Management Committee, Board, Enlarged Board, and International Council.

Selected research sources:

1. *Air Pollution and the Forests of Developing and Rapidly Industrializing Regions*. J.L. Innes and A.H. Haron, eds. CABI Publishing, Wallingford, U.K. 262 p. Rep. No. 4, IUFRO TF on Environmental Change. 2000.
2. *Sustainable Forest Management: From Concept to Practice*, 1st Edition. John L. Innes and Anna V. Tikina, eds. Routledge. 396 p.: 222 Color and 45 B/W Illus. 2016.

Personal sources:

1. John L. Innes. Biographical sketch. In: *Forests and Forest Plants – Volume I. / Encyclopedia of Life Support Systems (UNESCO–EOLSS)*. John N. Owens, H. Gyde Lund, eds. EOLSS Publishers, p. 260–261. 2009.
2. Innes J.L. Personal communications (April 2019) at john.innes@ubc.ca

ROSEN, Howard Neal



Howard Neal Rosen received the IUFRO Distinguished Service Award in 2005 in recognition of his substantial contributions to furthering the scientific, technical, and organizational aims of IUFRO.

Howard Rosen was born on 25 June 1942 in Washington, D.C., USA. He received all his degrees in Chemical Engineering – B.Sc. from the University of Maryland (1964), and M.Sc. (1966) and Ph.D. (1969) from Northwestern University in Evanston, Illinois, USA. In 1970, he began his professional career as a Research Chemical Engineer at USDA FS Office in Carbondale, IL, doing research on wood physics, drying, and dimensional stability. In 1985 he was promoted to Research General Engineering at Forest Products, USDA FS Washington Office, where he was responsible for overseeing complex and diverse national programs and worked until his retirement in 2006. He has remained in this position since then as a Retired volunteer. He also keeps active with organizational work within the International Academy of Wood Science (IAWS), IUFRO, Renewable Natural Resource Foundation (RNRF), World Wood Day Foundation (WWDF), and International Wood Culture Society (IWCS).

Dr. Rosen's research interests have been in the field of wood physical properties, drying, dimensional stability, wood culture, woody biomass use, and bioenergy. He also performs outside organizational duties and served as a consultant for forest products research and development. He has authored and co-authored 104 publications in professional journals and received six patents on wood drying, psychrometry, and energy recovery. As an expert and presenter, Dr. Rosen has attended numerous national and international symposia, scientific meetings and workshops to which he contributed over 140 presentations and invited papers. Since 1999, Dr. Rosen has been a Lifetime Fellow and Contributor to the IAWS (serving as its Treasurer since 2005) in recognition of his distinguished career in wood science and technology. He received the 2005 Distinguished Service Award of the Society of Wood Science and Technology (SWST) for significant contributions to the wood science and technology profession and service to SWST, and delivered the prestigious IAWS Academy Lecture (2010).

Dr. Rosen has an outstanding record of almost 40-year service for IUFRO. He started as Chair of the Wood Drying Working Party (1982–1990), Leader of WG on Wood Processing (1991–2000), Deputy Coordinator for Division 5 Wood Products (2001–2005), Chair of WP 5.10.01 Wood Culture (2008–2017), and Research Leader of the IUFRO unit on Forest Products Culture (since 2018). He also chaired and setup 14 IUFRO technical sessions, organized 2 meetings including coordination of Division 5 meeting in São Paulo, Brazil (1988), chaired the All Division 5 meeting in Roturua, New Zealand (2003) and chaired a Plenary Session and the Poster Committee at the XXII World Congress in Brisbane, Australia (2005).

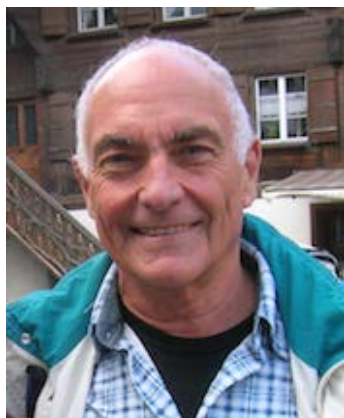
Selected research sources:

1. Recent advances in the drying of solid wood. In: *Advances in Drying*. Hemisphere Publishing Co., New York, pp. 99–145. [Theoretical chapter in book]. 1987.
2. Rosen, H.N. and F. Kayihan (Guest Editors). *Drying Technology* 10(5): 1151–1348. 1992.
3. Drying of Wood and Wood Products. In: *Handbook of Industrial Drying*. Arun Mujumdar, ed. Marcel Dekker, Inc., New York, USA, pp. 899–920. 1995.
4. United States wood biomass for energy and chemicals: possible changes in supply, end uses, and environmental impacts. *Forest Products Journal* 47(2): 63–69. (with K.E. Skog). 1997.
5. Rosen H. N. (Guest Editor). Papers from the IUFRO World Congress 2005. *NZ J. of For. Sci.* 35(2/3): 198–220. 2005.

Personal sources:

Rosen H. Personal communications (April 2019) at howard.rosen@verizon.net

SCHLAEPFER, Rodolphe



Rodolphe Schlaepfer received the IUFRO Distinguished Service Award in 2005 for his long-term contribution to IUFRO activities in various capacities.

Rodolphe Schlaepfer was born on 22 June 1940 in Sainte-Croix, Switzerland. He received his Diplom of Forest Engineer (1964) from the Swiss Federal Institute of Technology in Zurich, his M.Sc. in Forest Inventory and Forest Ecology (1966) from Laval University, Quebec, Canada, and Diploma in Statistics (1969) with major in Biometry from the University of Edinburgh, Scotland. He began his career in 1967 as a Research Scientist in Forest Growth at the Swiss Federal Institute for Forest Research (WSL, now Swiss Federal Institute for Forest, Snow and Landscape Research) in Birmensdorf. He then worked as a Statistician at Ciba-Geigy in Basel (1969–1976), Professor for Statistics and Physics at the Swiss Engineering School for Agronomy (1976–1982), Professor and Chair for Forest Management (1982–1987) at the Swiss Federal Institute of Technology in Zurich (ETHZ), and ETHZ Professor for Forest Science and WSL Director (1987–1996). From 1997, he has served as a Professor and Director of the Laboratory of Ecosystem Management at the *Ecole Polytechnique Fédérale de Lausanne* (EPFL – Swiss Federal Institute of Technology Lausanne) until retirement as Professor Emeritus in 2005. However, he remained active serving as a member of the ETH Appeals Commission (2011–2019). He is an Honorary Professor of the School of Architecture, Civil and Environmental Engineering (ENAC).

Professor Schlaepfer's fields of expertise have covered forest biometry, forest management in the tropics, monitoring systems, criteria and indicators for sustainable management of biological resources, statistical methods, including experimental design, sampling techniques and data analysis with R, forest and landscape ecology, and participation techniques in environmental projects. In these and related areas he authored and co-authored more than 100 research papers, book chapters, books and reports. Since 2017, he has been a lecturer for Experimental Design and Data Analysis with R at the Swiss Federal Institute of Technology in Lausanne.

Professor Schlaepfer has been a member of several national and international professional societies. He has also served as an expert or reviewer of various non-governmental and governmental organizations and journals.

Professor Schlaepfer formed and served as a Coordinator of the IUFRO TF "Forest, Climate Change and Air Pollution" (1990–1995), IUFRO Treasurer (1996–2000), Coordinator of IUFRO unit S4.14.00 Ecosystem-based management of forested landscapes and Deputy Coordinator of S6.06.00 Management of forest research (2001–2005), as well as being a member of the IUFRO EEB (1991–2000).

Selected research sources:

1. *Long-term Implications of Climate Change and Air Pollution on Forest Ecosystems*. R. Schlaepfer, ed. Progress Report of the IUFRO Task Force "Forest, Climate Change and Air Pollution". World Series Vol. 4. Vienna, IUFRO; Birmensdorf, WSL. 132 p. 1993.
2. *Ecosystem-Based Management of Natural Resources: a Step Towards Sustainable Development*. IUFRO Occasional Paper 6. 37 p. 1997.
3. Recent climate change: Rethinking drought in the context of Forest Fire Research in Ticino, South of Switzerland. *Theor. & Applied Climatology* 82(1–2), 17–25. (with M. Reinhard and M. Rebetez). 2005.

Personal sources:

1. URL: <https://people.epfl.ch/rodolphe.schlaepfer/bio?lang=en> Retrieved 14.06.2019
2. Schlaepfer R. Personal communications (June 2019) at rodolphe.schlaepfer@epfl.ch

TEISSIER DU CROS, Eric Barthélémy



Eric Barthélémy Teissier du Cros received the IUFRO Distinguished Service Award in 2005 for serving the Union for more than 25 years.

Eric Teissier du Cros was born on 2 June 1944 in Beaufort-sur-Doron, France. In 1967, after his graduation at the National Institute of Agronomy (*Institut National Agronomique*), Paris, and his specialization in plant genetics, he was appointed at the National Agriculture Research Institute (INRA = *Institut National de Recherche Agronomique*) in Nancy. Meanwhile he continued his education and obtained his Ph.D. in 1969 from Clermont-Ferrand University.

He began his professional career as a research scientist on poplar selection and breeding in the Forest Research Department of INRA, Nancy. In 1974, he also took on the French programme on beech diversity and the genetic mechanisms to be considered in beech stand management and regeneration. In 1975, he moved to the Orléans Research Station of INRA where he expanded his work to coordinate an EU project on selection and breeding of trees for short rotation forestry (since 1981). From 1985 to 1990 he was Administrator of the research station, covering forest research, soil science and cattle breeding. In 1990, he moved to Avignon to carry on and develop the EU project on Mediterranean cypress (Greece, Italy, Spain, Portugal and France). He was also appointed INRA Coordinator for forest tree genetics and breeding (Nancy, Orléans, Bordeaux, Avignon, French Guyana and Guadeloupe). From 1999 to 2005, he chaired the French Commission for the Conservation of Forest Genetic Resources.

Dr. Teissier du Cros joined IUFRO for the first time at a meeting on forest genetics in Stockholm, Sweden (1974). In 1981, he organized in Grammont, Belgium the first meeting of the WP S2-02-10, later S2-03-07 Breeding Poplar and was elected Coordinator of this WP. In 1984, he was co-organizer of a IUFRO/FAO meeting on poplar breeding, improvement and culture during the 17th Session of the International Poplar Commission (Ottawa, Canada). From 1987 to 1990 he was the regional member for West Europe on the IUFRO Executive Board. In 1991, he was elected Deputy Coordinator of Division 2 Physiology and Genetics. In 1996, he became Coordinator of the Division and a member of the Executive Board. He coordinated the scientific part of the 2000 IUFRO World Congress in Kuala Lumpur, Malaysia. At that Congress Dr. Teissier du Cros was elected IUFRO Vice President for Science, a position that he held until his retirement in 2005, while continuing to work for some years as Division 2 Web moderator. For 2 years after his retirement, he worked as consultant for Italian forest programmes. For his great enthusiasm and the energy with which he carried out his longstanding service for the Union, Dr. Teissier du Cros was awarded IUFRO Honorary Membership during the 2010 Seoul, S. Korea World Congress.

Selected research sources:

1. *Le Hêtre* [Beech]. INRA. 614 p. 1981.
2. *Cypress. A practical Handbook*. Eric Teissier du Cros, ed. Florence, Italy. 139 p. (Also published in Greek, Italian, Spanish, Portuguese and French). 1999.
3. *Forest Genetic Resources Management and Conservation. France as a case study*. Ministère de l'Agriculture. Bureau des Ressources Génétiques. Commission des Ressources Génétiques Forestières. 60 p. (Also published in French). 2001.

Personal sources:

1. Teissier du Cros, Eric. In: Teplyakov V. *Honorary Members of IUFRO: 1953–2017*. Vienna, IUFRO, pp. 92–93. 2018.
2. Teissier du Cros E. Personal communications (April 2019) at eric.teissierducros@gmail.com

RENNOLLS, Keith



Keith Rennolls received the IUFRO Distinguished Service Award in 2005 for his leadership in research on the application of mathematical modeling, informatics and statistics of IUFRO Division 4.11.

Keith Rennolls was born on 29 April 1947 in Plymouth, UK. He earned his B.Sc. in Mathematical Physics from Sussex University (1970), and Postgraduate Certificate in Education (PGCE) (1972) and M.Sc. Statistics (1976) from London University. In 1976, he began his career as a Forest Biometrician at the Statistics Branch, Alice Holt, Forestry Commission Research UK. He supported and collaborated with researchers in Mensuration, Growth and Yield, Inventory, Wildlife, and Site Studies. He then served as a Medical Statistician at the Medical Research Council, London (1985–1988). In 1988 he joined the University of Greenwich as Head of Statistics and Operational Research (1988–1999), during which he developed and taught on various B.Sc. and M.Sc. programmes and supervised several Ph.D. students. He was awarded the title of Professor of Applied Statistics in 1994, and was Head of Mathematical Sciences (1999–2002). He retired in 2007.

Professor Rennolls' research has been primarily on the application of mathematical modelling and statistics in forestry, ecology, biodiversity and the natural environment. Areas of focus have included spatial statistics, forest mensuration and growth, forest inventory design and analysis, remote sensing and image analysis, biodiversity, neural networks, and social networks. Since then he has been involved with web ontology languages and services for Forest Information Services with the development of the NEFIS and the Forest Model Archive (FMA) projects. He has authored/co-authored more than a hundred research papers, book chapters, books, reports and edited proceedings. Professor Rennolls has been a member of the Royal Statistical Society (and its Council), the Biometrics Society (and its UK Committee), and the Institute of Chartered Foresters. He has consulted for national and international organizations. He has also been a member of the editorial boards of several scientific journals.

He presented at his first IUFRO conference, of unit 6.02 Advisory Group of Forest Statisticians, in Freiburg, Germany in 1978. Professor Rennolls served as Coordinator of the IUFRO units 4.11.02 Mathematics (1990–2000) and 4.11.00 Informatics, Modelling & Statistics (2000–2005) and contributed to the organization of many IUFRO conferences, in particular 4.11.00 conferences in Greenwich, UK (1980); Thessaloniki, Greece (1983); and Cairns, Australia (2005). In 2003 he initiated, with 4.11.00 colleagues, the *Journal of Forest Biometry, Modelling and Information Sciences* (FBMIS), and served as its Editor in Chief until 2009.

Selected research sources:

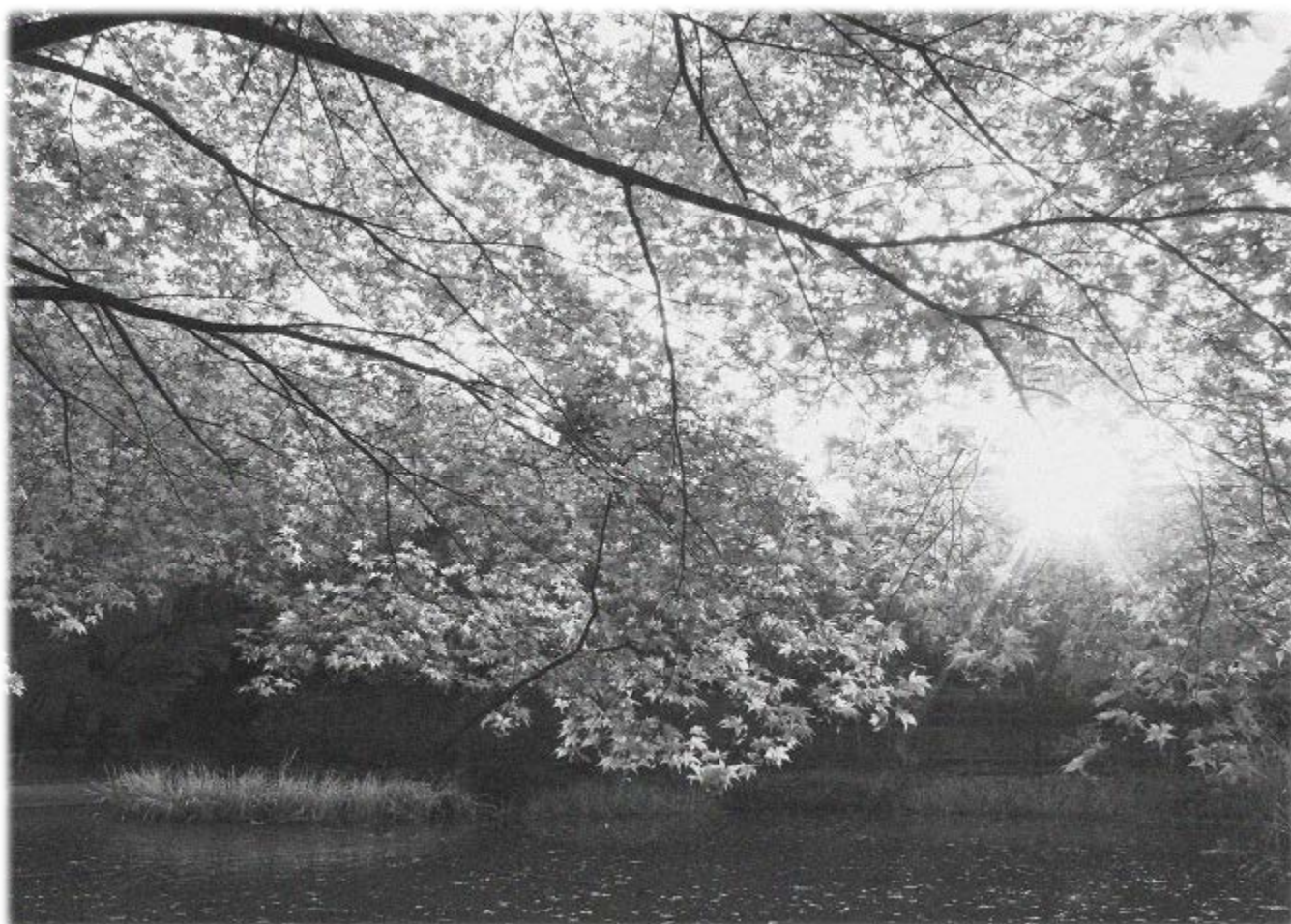
1. An Integrated Forest Process Model: its Calibration and its Predictive Performance. *For. Ecol. and Mgmt.* 25: 31–58. (with P. Blackwell). 1988.
2. Species diversity structure analysis at two sites in the tropical rain forest of Sumatra. *J. of Tropical Ecology* 16:253–270. (with Y. Laumonier). 2000.
3. Rennolls K., Tomé M., McRoberts R.E., Vanclay J.K., LeMay V., Guan B.T. and Gertner G.Z. Potential contributions of statistics and modelling to sustainable forest management: review and synthesis. Chapter 20 (pp. 314–341) in: *Sustainable Forestry: from Monitoring and Modelling to Knowledge Management & Policy Science*. Edited by Reynolds K. M. *et.al.* CABI. 525 p. 2007.
4. Base-Age Invariant Site Index Models from a Generalized Algebraic Parameter Prediction Approach. *Forest Science* 54(6): 1–8. (with M. Wang and B. Borders). 2008.

Personal sources:

Rennolls K. Personal communications (August 2019) at k.rennolls@gmail.com

2006 – 2010

<i>Dennis P. DYKSTRA</i>	<i>USA</i>	<i>2006</i>
<i>Klaus von GADOW</i>	<i>Germany</i>	<i>2006</i>
<i>Axel ROEDER</i>	<i>Germany</i>	<i>2006</i>
<i>Jack R. SUTHERLAND</i>	<i>Canada</i>	<i>2006</i>
<i>Karel VANCURA</i>	<i>Czech Republic</i>	<i>2009</i>
<i>Markku AHO</i>	<i>Finland</i>	<i>2009</i>
<i>John A. PARROTTA</i>	<i>USA</i>	<i>2010</i>
<i>Jung Hwan PARK</i>	<i>Rep. of Korea</i>	<i>2010</i>
<i>Seung-Jin SUH</i>	<i>Rep. of Korea</i>	<i>2010</i>



DYKSTRA, Dennis Peter



Dennis Peter Dykstra received the IUFRO Distinguished Service Award in 2006 for contributions as Coordinator of Division 3 and service on the IUFRO Board.

Dennis Dykstra was born on 27 June 1944 in Roseburg, Oregon, USA. After receiving a B.Sc. (Hons.) in Forest Engineering from Oregon State University (OSU) in Corvallis (1966), he served as a lieutenant in the US Army with duty in Vietnam. He then obtained an MBA in Forest Industries Management from the University of Oregon in Eugene (1971).

After working two years for a timber company in California he returned to OSU as an instructor and earned a Ph.D. in Industrial Engineering with a minor in natural resource economics in 1976. He served six years as an assistant professor of forest engineering at OSU and also became certified as a licensed professional engineer in Oregon and California. Dr. Dykstra was appointed Associate Professor at Yale University (1978–1980), Associate Professor and Professor at Sokoine University in Morogoro, Tanzania (1980–1983), and Professor at Northern Arizona University in Flagstaff (1986–1992).

Dr. Dykstra's research interests have been in the field of forest operations, forest technologies, and software development. He has authored or co-authored more than 300 publications. In the mid-1980s he worked as a Research Scholar at IIASA in Laxenburg, Austria. In 1992 he accepted a post at the FAO in Rome, where he developed the *FAO Model Code of Forest Harvesting Practice* (1996), which has been published in four languages and served as a model for the development of forest practice legislation in around 30 countries. From 1994–1999 he was Deputy Director General for Research at CIFOR, where he supervised research and organized workshops and conferences in Indonesia, Malaysia, Cameroon, Gabon, Ghana, Côte d'Ivoire, Tanzania, Malawi, Zimbabwe, Brazil, Bolivia, Costa Rica, and Peru. He served as President of the World Forestry Center in Portland, Oregon (1999–2001), and as Research Scientist at the USFS Pacific Northwest Research Station in Corvallis, OR from 2005 until his retirement in 2011.

Dr. Dykstra has served in a number of professional societies and organizations including CFA, SAF, ISTF, FPS, FHS, and the Council on Forest Engineering. He also served as a member of editorial boards, technical and associate editor of scientific journals, e.g., *Forest Science*, *Forest Ecology and Management*, *Journal of Tropical Forest Science*, *International Journal of Forest Engineering* and others. He has received several national and international recognitions including distinguished lectureships, lifetime membership in the Tropical Forest Foundation, and was selected as an OSU Outstanding Alumnus in Forest Engineering. He held a variety of offices in IUFRO, including Coordinator of IUFRO Division 3 Forest Operations (1996–2005) and served as a member of the IUFRO Board.

Selected research sources:

1. *FAO Model Code of Forest Harvesting Practice*. FAO, Rome, Italy, 85 p. (with R. Heinrich). 1996.
2. *Technologies for Wood Tracking: Verifying and Monitoring the Chain of Custody and Legal Compliance in the Timber Industry*. WB, Washington D.C., 68 p. (The first author in a multi-authored publication). 2003.
3. *RILSIM 2.0 User's Guide: Software for Financial Analysis of Reduced-Impact Logging Systems*. Manual to accompany CD-ROM. Int'l Programs, USDA FS, Washington, DC, and Blue Ox Forestry, Portland, OR. 120 p.

Personal sources:

Dykstra D.P. Personal communications (May 2019) at dennisdykstra@blueoxforestry.com

von GADOW, Klaus



Klaus von Gadow received the IUFRO Distinguished Service Award in 2006 for his contribution to the re-structuring of IUFRO's Divisions, especially Division IV.

Klaus von Gadow was born on 19 May 1941 in Rostock, Germany. He grew up in Northern Germany as the son of a forester. His father was a distinguished ornithologist and botanist who actively practiced what became known as near-to-nature forestry (*Naturgemässe Waldnutzung*), a type of forest management that was sneered at by the German academic establishment of the 1960s, but now enjoys wide national and international acceptance.

Klaus von Gadow received his B.Sc. in Forestry (1969) from the University of Freiburg, a M.Sc. (1977) and a Ph.D. in Forestry (1978) from the University of Stellenbosch, and a Habilitation (1986) from the University of Munich. He worked at the University of Stellenbosch as lecturer and professor from 1978–1991, and from 1991 until 2006 as a Professor of Forestry at the Georg-August-University in Göttingen. Together with his doctoral students he developed what has been described as the Göttingen School of forest structural analysis. He was involved in optimizing the management of planted forests, but his main interest has always been the study of the structure and dynamics of natural forests, based on long-term observation.

After his retirement from the university in 2006, Klaus von Gadow continued to serve the international research community, as a mentor of young scientists in Mexico and China, and as a consultant for FAO in India (2017), and as a member of the Białowieża consultative committee for the Ministry of Environment, Warsaw (2019). In 2000 he established the successful Springer book series *Managing Forest Ecosystems* together with Prof. Timo Pukkala and Margarida Tomé. He is the Founding Editor in Chief of the Springer Open Access Journal *Forest Ecosystems* of Beijing Forestry University, established in 2014. Over 50 years of active research he has authored and co-authored more than 300 scientific publications, including 22 textbooks.

His accomplishments and achievements were recognized with the Fernow Award from the Deutscher Forstverein in 1996, and the Distinguished Forestry Award of the Southern African Institute of Forestry in 2018 in recognition of his contribution to international forest research. He has been awarded Honorary Professorships by the Chinese Academy of Forestry (1998) and the Beijing Forestry University (2016), and Honorary Doctorates by the Estonian University of Life Sciences (2000) and the University of Santiago de Compostela, Spain (2019).

Klaus von Gadow has been an active collaborator in IUFRO, starting in 1986 as coordinator of the newly established IUFRO unit 4.04.06 Management Planning and Managerial Economics in Short Rotation Timber Plantations. He was later elected to coordinate IUFRO's Division 4 Inventory, Growth, Yield, Quantitative and Management Sciences, and served as a IUFRO Board member (1996–2005).

Selected research sources:

1. Über den Zuwachsverlust bei der Ästung von Nadelbäumen. *Allg. Forst u. JagdZtg* 139(8): 176–184. (with G. Mitscherlich as first author). [On the loss of growth after pruning coniferous tree]. 1968.
2. Observations on self-thinning in pine plantations. *South African J. of Science* 82(7): 364–368. 1986.
3. *Forest Management*. Academica Press, Pretoria, 151 p. (with B.V. Bredenkamp). 1992.
4. *Modelling Forest Development*. Springer Netherlands, ix, 213 p. (with G. Hui). 1999.
5. *The Potential of Permanent Forest Observational Studies in India*. Report prepared for FAO, 38p. 2017.

Personal sources:

Personal communication (April 2019) at kgadow@gwdg.de

ROEDER, Axel



Axel Roeder received the IUFRO Distinguished Service Award in 2006 for his long-term leadership in IUFRO Divisions IV and VI.

Axel Roeder was born on 20 December 1941 in Berlin, Germany. He studied forestry in Göttingen University and the University of Freiburg. He received his Ph.D. (1970) from the University of Göttingen and worked with the Hessian Office for Inventory and Long-Term Planning. He received his habilitation (1974) from the University of Freiburg where he had been working as a Research Assistant in M. Prodan's Department of Forest Biometry (1971–1974). He then served as an expert for business economics and information systems in the Hessian Ministry of Forestry (1974–1979) and Director of the Hessian Forestry Office in Usingen (1980–1986). In 1987, Dr. Roeder was appointed Director of the Research Institute of Forest Ecology and Forestry (FAWF) of Rhineland-Palatinate in Trippstadt where he served until his retirement in 2006.

Dr. Roeder combined his administrative and research work at the FAWF with his professorship at the University of Freiburg. He was also Visiting Professor at the Forestry Faculty in Curitiba, Brazil (1984), and the Agricultural University of Saigon, Vietnam (1988). His research interests are in the field of biometrics, forest inventory, monitoring, management and governance, marketing, business policy in social conflict areas, forest ecology, nature conservation, forest education, and forest recreation. He has authored and co-authored more than 80 scientific publications.

Dr. Roeder served as a scientific appraiser for GTZ (German Society for Technical Cooperation) for the economic evaluation of forestry development projects in the Republic of Haiti (1985). He was President of the DVFFA - German Union of Forestry Research Organizations, and has worked for many years on the Committee on Forestry of the EU Cooperation in Science and Technology (COST). In 2010 he received the Order of Merit of the Rhineland-Palatinate.

Prof. Dr. Axel Roeder has been active in the IUFRO for almost 30 years. He was Deputy Leader of the IUFRO Working Group on Statistical Methods, Mathematics and Computers (1978–1986), Deputy Coordinator (1987–1990) of Division VI General Subjects, and Coordinator of IUFRO Division IV Planning, Economics, Growth and Yield Management and Policy (1991–1995). In 1992, he was in the group of people who launched the IUFRO Centennial Plaque on the wall of the former Forest Academy in Eberswalde. From 1996 to 2005 he served as a German representative to the International Council of IUFRO.

Selected research sources:

1. *Werthholzproduktion bei der Fichte mittels kronenspannungsarm gewachsenen Z-Bäumen. Ökonomische Prognose unter Berücksichtigung waldwachstumskundlicher und holzqualitativer Eigenschaften*
M. Bücking, R. Moshhammer, A. Roeder. Mittlg. FAWF Trippstadt, No. 62/07, 295 S. [Production of valuable spruce crop trees. Economic prognosis with respect to growth and wood quality]. 2007.
2. *Management von Forstbetrieben*. I. Grundlagen, Betriebspolitik. 381 S. II. *Management- und Informationssystem*. 365 S. III. *Leistungssystem. Zusammenfassung und Ausblick*. 292 S. G. Oesten and A. Roeder. Institut für Forstökonomie der Universität Freiburg. [Management of forest enterprises. Vol. I. Basics, politics. Vol II. Management- and Information Systems. Vol. III. Performance System, summary and outlook.]. 2012.

Personal sources:

1. URL: https://de.wikipedia.org/wiki/Axel_Roeder Retrieved 11.04.2019.
2. Roeder A. Personal communications (July 2019) at Axel.Roeder2@t-online.de

SUTHERLAND, Jack R.



Jack R. Sutherland received the IUFRO Distinguished Service Award in 2006 for his outstanding leadership and support of IUFRO Working Party 7.03.04 Diseases and Insects in Forest Nurseries.

Jack Sutherland was born on 10 November 1936 in Roseville, Ohio, USA. After finishing Roseville High School, he earned his B.Sc. in Agricultural Science (1958) and M.Sc. in Botany and Plant Pathology (1960) at Ohio University, Athens, Ohio, and Ph.D. in Plant Pathology (1964) with minors in Statistics and Soil Science from West Virginia University, Morgantown (1964). He joined the Laurentian Forestry Centre, Canadian Forest Service, Quebec City, as a research scientist in 1964, and then moved in 1967 to the Pacific Forestry Centre (PFC) in Victoria, BC, where he was promoted to the highest position/level – Principal Research Scientist in 1988, and from which he retired in 1996. Dr. Sutherland was Adjunct Professor and

taught mycology and forest pathology at the University of Victoria and Simon Fraser University, British Columbia, as well as forest protection at the Southwest Forestry College in Kunming, China.

Dr. Sutherland focused his research on the biology and management of diseases of seeds, nursery seedlings, seed orchards and young plantations as well as on nematode and fungus-caused diseases such as root rot in bare root forest, nurseries, and co-developed *Ventblock* growing containers for managing grey mould of container-grown seedlings. He has authored and co-authored 169 scientific and technology transfer papers, review articles, book chapters, and edited books. He served as Associate Editor for many journals, including *Plant Disease*, *Canadian Journal of Plant Pathology*, *Canadian Journal of Forest Research*, *New Forests*, and *Journal of Forest Science*. He served on the Forestry Committee, BC Science Council and other national and international bodies.

Dr. Sutherland was active member of the International Plant Pathology Society, American Phytopathological Society, Canadian Phytopathological Society, Agricultural Institute of Canada and the B.C. Institute of Agrology. He advised the Government of Canada and Canadian forest companies on government regulations related to pine wilt such as the export of non-kiln dried lumber to Europe, especially the UK and Finland. Internationally, he served as a consultant on nursery problems and cultural practices mostly in China, but also in Japan, Czech and Slovak Republics, Sweden, Argentina and Norway as well as the International Plant Genetics Resources Institute, Rome, to name just a few. The Canadian Phytopathological Society awarded Dr. Sutherland with its Outstanding Research Award (1994) and the Forestry and Game Management Research Institute, Czech Republic, with its Memorial Medal (1996).

Dr. Sutherland has been an active IUFRO Officer since 1985. In 1988 he has established and led the IUFRO WP S2.07-09 (since 1996, S7.03.04) Diseases and Insects in Forest Nurseries and hosted its first meeting in 1990 and then organized and co-organized six meetings, edited and published their proceedings. He has been also Deputy Coordinator of SG 7.02.00 Pathology (1996–2005).

Dr. John (Jack) Sutherland passed away on 24 April 2024 at home and buried in Canton, Ohio.

Selected research sources:

1. *Cone and seed diseases of North American conifers*. J.R. Sutherland, T. Miller, R.S. Quinard, eds. Forestry Canada, Pacific and Yukon Region, Victoria, BC, 77 p. 1987.
2. *Proceedings of the first meeting of IUFRO WP S2.07-09: Victoria, BC, Canada, August 23–30, 1990*. J.R. Sutherland and S.G. Glover, eds. Information report, BC-X-331. Victoria: PFC, vii, 298 p. 1991.
3. *Diseases and Insects in Forest Nurseries*. R. Perrin and J.R. Sutherland, eds. INRA, Paris, 332 p. 1994.
4. *Pine Wilt Disease*. B.G. Zhao, K. Futai, J.R. Sutherland, and Y. Takeuchi, eds. Springer, (digital). 2008

Personal sources:

Sutherland J. Personal communications (August 2019) at jacksutherland@shaw.ca

VANČURA, Karel



Karel Vančura received the IUFRO Distinguished Service Award in 2009 for organizing international meetings and for his long-term, significant and voluntary contribution to the development of IUFRO.

Karel Vančura was born on 3 October 1946 in Prague, Czechoslovakia. He obtained his M.Sc. in Forestry (1968) from the University of Agriculture (now Mendel University) in Brno, and Ph.D. in Silviculture (1985) from the University of Agriculture in Prague. After graduation he worked as forest ranger and forester assistant at Central-Bohemian State Forests (1969–1970), he was certified as a Professional Forest Manager (1972), and appointed as Head Forester of the Forest District in Zbraslav (1970–1974). Afterwards he continued as a researcher at the Forest Biology and Breeding Department (1974–1990), Deputy Director for Research (1990–1992) and Director (1992–1998) of Forestry and Game Management Research Institute (FGMRI) at Jíloviste.

Dr. Vančura was then promoted to Director of the Forestry Development Department (1998–2000) and Head of External Relations (2000–2004) at the Ministry of Agriculture. He was responsible for international contacts in the forestry branch and thus actively participated in international programs e.g. as EUFORGEN Program national coordinator (1992–2005), Czech Republic representative to the Pan-European Process, observer and member of the European Commission Standing Forestry Committee (1998–2004) as well as Czech representative on the Timber Committee and European Forestry Commission (COFO 1991–2003). In addition to his administrative duties, he worked as a lecturer at the Czech University of Agriculture in Prague (1998–2000). The FGMRI as well as Forest Research and Management Institute Romsilva granted him Honorary Diplomas in 2003. Similarly, he was recognized by the Technical University in Zvolen, Slovakia and Czech Forest Management Institute in Brandys, where he finished his forestry career in 2008 because of health problems.

Dr. Vančura's research interest has been in the area of coniferous provenance testing, forest tree breeding, air pollution impact on trees and forests, sustainable forest management, social forestry, legal aspects of forestry and environment, and multi-disciplinary research. He organized international meetings, authored and co-authored about 150 publications and edited books, proceedings and reports. He is a Czech Forestry Association member. He has served as an editor of the local newsletter and chronicler of the market town Davle (since 2005), and has been an organizer of various exhibitions in his place of residence. Dr. Vančura has collaborated with various IUFRO parties since 1974. He has served *inter alia* as Chair of the IUFRO Statutes Committee (1996–2000), Chair of the Honours and Awards Committee (2001–2005), Deputy Coordinator of Division 2 (2005–2010), member of IUFRO Board on various capacities for three terms (1996–2010). The Union has recognized his service with two Certificates of Appreciation (2001, 2004).

Selected research sources:

1. The Czech program for the conservation of forest genetic resources. In: *Erhaltung genetischer Ressourcen im Wald*. T. Geburek, B. Heinze, eds. Ecomed-Landsberg, pp. 159–169. (in German). 1998.
2. Report on effect of current forest practices on forest biological diversity in Czechia, 1999. In: *Evaluation of the Impact of Forest Management on Biological Diversity in Central Europe*. K. Rykowski and G. Matuszewski, eds. Warsaw, pp. 309–333. 1999.
3. *Forest and Water in the Heart of Europe*. K. Vancura, ed. MZe Praha, 320 p. 2007.

Personal sources:

1. URL: <https://prabook.com/web/karel.vancura/414258> Retrieved 18.05.2019.
2. Vančura K. Personal communications (May 2019) at vancura.family@volny.cz

AHO, Markku



Markku Aho received the IUFRO Distinguished Service Award in 2009 for his service and particular contributions to the advancement of IUFRO.

Markku Aho was born on 17 April 1946 in Tornio, Finland. He earned his M.Sc. in Forestry (1970) at the Faculty of Agriculture and Forestry, University of Helsinki. He spent almost his entire professional career at the Ministry for Foreign Affairs of Finland starting as Forestry Development Officer at the Department for International Development (1972–1974), being promoted to Head of Section for Social Development and Human Resources (1977–1981), and then appointed as Forestry Adviser at the Unit for Sector Policy (1993–1998). He served at the Unit for Multilateral Financing Institutions at the Department for International Development (1998–2000), as Counsellor for Global Environmental Affairs/Forests at the Unit for Sector Policy (2000–2003), as Counsellor for the Environment at the Unit for International Environment Policy at the Department for Global Affairs (2003–2008) and the Department for Development Policy (2008–2013). He has also served as a Director of Forestry Training Programme, National Board of Vocational Education at the Ministry of Education (1984–1989).

Mr. Aho has been actively involved in the international aid programs of Finland to developing countries. His responsibilities included programme management in forestry and natural resources, mobilization of financial resources for forestry development and coordination of programmes for technology transfer for forest management and forest industry development. At the country and regional level, he has served as Forestry Adviser to the Embassy of Finland at Dar es Salaam, Tanzania (1974–1977) where he was responsible for coordination of programmes for technology transfer for forest management and forest industry development, and then worked as a Development Programme Coordinator of Forest Division at the Ministry for Natural Resources, Tanzania (1981–1983). He was later appointed as Regional Forestry Advisor to the Department for Development Cooperation at the Embassy of Finland in Harare, Zimbabwe (1989–1992) covering the Southern African Development Community (SADC region).

In addition, Mr. Aho carried many other responsibilities as the National Focal Point for the UNCCD (2000–2013), member of the Finnish delegations to UNFCCC, UNFF, FAO Committee on Forestry, member of the EU Tropical Forestry Advisers Group, and Chairman International Forestry Advisers Group (1997–2001), to name just a few. He has also represented the Foreign Ministry at the FAO National Forest Programme Facility (2002–2012), the World Bank Forest Carbon Partnership Facility and the Advisory Board of the World Bank PROFOR (2002–2013), the Ministerial Conference on the Protection of Forests in Europe (2007), and others. Since 2013, he has served as a member of the Steering Committee of the Forest and Farm Facility hosted by FAO.

Mr. Aho has actively engaged with IUFRO by supporting the work of the Collaborative Partnerships on Forests and in the establishment of the Global Forest Expert Panels initiative, which IUFRO has played a key role in, as well as the establishment of a special IUFRO unit 9.05.07 on community forestry. He was one of the initiators of the IUFRO special project World Forests, Society and Environment (WFSE) supported by Finland for a long time, and a longstanding member of its Editorial Advisory Board.

Personal sources:

Aho M. Personal communications (July 2019) at markku1704@gmail.com

PARROTTA, John Anthony



John Anthony Parrotta received the IUFRO DSA in 2010 in recognition of his achievements in strengthening IUFRO's activities on traditional forest knowledge and providing outstanding services as Chair of the IUFRO World Congress 2010 Scientific Committee.

John Parrotta was born on 11 October 1958 in Methuen, Massachusetts, USA. In 1980, he obtained a B.A. in Biology (*summa cum laude*) and a B.Sc. in Chemistry (*magna cum laude*) both from Merrimack College, North Andover, MA, USA; a M.Sc. in Ecology from the University of Aberdeen, UK (1981), and M.Sc. (1983) in Forestry & Environmental Studies, M.Phil. (1984), and Ph.D. (1987) in Tropical Forest Ecology and Silviculture from Yale University, CT, USA.

Dr. Parrotta began his career as a research scientist at the University of Puerto Rico before joining the U.S. Forest Service's International Institute of Tropical Forestry in 1991. Since 2001 he has been the Forest Service's National Research Program Leader for International Science Issues in Washington, DC. The U.S. Department of State has recognized his contributions to the work of the Convention on Biological Diversity with awards in 2004, 2011 and 2012.

Dr. Parrotta's research interests include tropical forest ecology, silviculture and restoration, impacts of reforestation on biodiversity at site and landscape scales, ecology and traditional forest-related knowledge. In these and related fields he has authored, edited, and co-authored over 170 scientific publications, including books, proceedings and reports. Dr. Parrotta is a member of several national and international professional societies, as well as editorial and advisory boards for a number scientific journals including *Restoration Ecology*, *Ecosystems and People*, and *Forest Ecology and Management*. He was a coordinating lead author of the 2018 IPBES thematic assessment report on land degradation and restoration.

Dr. Parrotta has been active in IUFRO since 1993, when he became the coordinator of the newly established Division 1 Working Party on tropical forest restoration. He then served as Coordinator of the Division 1 WP and RG on rehabilitation of degraded sites, Deputy Coordinator of Division 1 (1997–2000; 2004–2010) and Division 8 (2010–2014), Coordinator of Division 1 (2000–2004), and Deputy Coordinator of RG 9.03 Forest History & Traditional Knowledge (since 2010). He also served as Coordinator of the Task Force on Traditional Forest Knowledge (2005–2011), Chair of the IUFRO World Congress Scientific Committee (2010 and 2014), Chair of Publications Committee (2002–2004), and member of the IUFRO Management Committee (2006–present) and Honours and Awards Committee (2010–2014). He also chaired the Global Forest Expert Panel on Biodiversity, Forest Management and REDD+ (2011–2012) and was a member of two IUFRO-led Global Forest Expert Panels, on Adaptation of Forests to Climate Change (2008–2009), and Forests and Food Security (2014–2015). He was elected IUFRO Vice-President (2014–2019), and President (2019–present).

Selected research sources:

1. Catalyzing native forest regeneration on degraded tropical lands. *For. Ecol & Mgmt*, 99: 1–8. (with J. Turnbull and N. Jones). 1997.
2. *Healing Plants of Peninsular India*. CAB International, Wallingford, UK and New York, 917 p. 2001.
3. *Traditional Forest-Related Knowledge: Sustaining Communities, Ecosystems and Biocultural Diversity*. J.A. Parrotta and R.L. Trosper, eds. World Forest Series, Vol. 12. Dordrecht: Springer, 621 p. 2012.
4. *Forest Landscape Restoration: Integrated Approaches to Support Effective Implementation*. S. Mansourian and J. Parrotta, eds. The Earthscan Forest Library. Routledge, 272 p. 2018.

Personal sources:

Parrotta J.A. Personal communications (April 2019) at john.parrotta@usda.gov

PARK, Jung Hwan



Jung Hwan Park received the IUFRO Distinguished Service Award in 2010 for his outstanding contribution to IUFRO and especially as COC Chair.

Jung Hwan PARK (박정환) was born on 20 September 1959 in Kangwon Province, Republic of Korea. He earned his B.Sc. (1982) and M.Sc. (1984) in Wood Products Engineering at Seoul National University and his Ph.D. in Environmental Resources Engineering (1995) at the College of Environmental Science Forest, State University of New York (SUNY-ESF) in Syracuse, NY. During his doctoral study, he worked as a tutor (1991–1995).

In 1985, he started his career as a Researcher at the Korea Forest Research Institute (KFRI, now National Institute of Forest Science, NIFoS) and progressed there to Senior Researcher (2003), Director of the International Cooperation Div. (2008), and Research Planning Div. (2010), Director General of Forest Genetic Resources Department (2016).

Dr. Park's research interests are in the development of drying schedules of commercially important Korean tree species, and evaluation of long-term performance under load of Korean structural timber. He also engaged in several research projects at NIFoS as a project leader, including evaluation of mechanical performances of Korean structural timber, and fire-damaged Korean red pine timber.

Dr. Park has been involved in the international cooperation of NIFoS since 1998. He has been the South Korean delegate to ITTO Council meetings, served as a member of the Expert Panel for project appraisal (2008–2011), and participated in other ITTO activities. With the financial support from the Korea International Cooperation Agency (KOICA), since 2002 he has developed and implemented training workshops on forest management for forest officers of developing countries. From 2003, Dr. Park represented NIFoS at the APAFRI Executive Committee and served as a Chairman of APAFRI (2016–2018). Dr. Park received high recognition at the national level when he was given the Outstanding Government Employee Award by the Prime Minister (2001) and Distinguished Government Employee by the President of Republic of Korea (2010).

Dr. Park has contributed to IUFRO in various ways. In 2002, he was put in charge of the bid process to host the 23rd IUFRO World Congress in Seoul in 2010, and was appointed by NIFoS as the Chair of the Congress Organizing Committee (2005). He served IUFRO as an *ex officio* member of the Board and Management Committee (2005–2010), Deputy Coordinator of IUFRO TF Resources for the Future (2010–2014), and Member of Board as a President nominee for Asia-Pacific (2014–2019). In addition, since 2005 Dr. Park has helped secure financial resources for the IUFRO-SPDC. His efforts are still evident through the annual voluntary contributions of NIFoS.

Selected research sources (in Korean, English abstracts):

1. KI Criteria of surface check under stepwise loading of drying stresses. *J. Korean Wood Sci. & Technol. (JKWST)* 27(4): 51–56. 1999.
2. Variation of material properties of fire-killed timber (I) - Mechanical properties of fire-killed Korean red pine in the east coast area. *JKWST* 33(6): 8–16. (with B.S. Park, K.B. Shim, and T.S. Cho). 2005.
3. *A New Introduction to Wood Drying*. Seoul National University Press, Seoul. (with Jung, H.S., H.Y. Kang, N.H. Lee, H.W. Lee, C.W. Kang and H.M. Yeo). 2008.
4. A study on log diameter classes of Korean softwood logs. *JKWST* 41(4): 337–345. (with K.M. Kim, C.D. Eom, and D.J. Jung). 2013.

Personal sources:

Park J. H. Personal communications (July 2019) at hwanpark@korea.kr

SUH, Seung Jin



Seung Jin Suh received the IUFRO Distinguished Service Award in 2010 for his outstanding contribution to IUFRO

Seung Jin SUH (서승진) was born on 2 January 1953 in Choongcheongnamdo Province, Republic of Korea (ROK). He earned his B.Sc. (1979) and M.Sc. (1986) in Forest Science at Seoul National University (SNU) and Michigan State University, respectively. He earned his Ph.D. in Forest Management (1994) at Seoul National University. He passed the technology examination for forestry in 1978 and joined the Korea Forest Service as a Senior Officer. He has had an extensive professional career at the Service including R&D policy in the forest sector, establishment of wildfire control centre, and others. He also worked at the ROK President Office for Agriculture and Forest Policy.

In 2001, Dr. Suh was appointed as the first publicly recruited president of the Korea Forest Research Institute (KFRI, now National Institute of Forest Science, NIFoS). During his service, KFRI made much progress in R&D operations and achievements due to his innovative approaches and outstanding leadership. KFRI was evaluated as a top national Institute in the assessment program of effectiveness of operational management and R&D achievement for 5 years in row. The successes of KFRI in operational innovation and achievement was reported to the President of Korea during a cabinet meeting (2005). Other institutes nationwide have adopted the participatory innovation model that he has established. Dr. Suh became Minister of the Korea Forest Service in 2006. He emphasized improvements to the administration of the Regional Forest Service during his service. The development of forest science and international cooperation in forest sector were also priorities for him. Dr. Suh was awarded the Red Stripe (1991) and Yellow Stripe (2009) of the Order of Service Merit, respectively.

Dr. Suh's research interests have focused on forest management and administration, criteria and indicators of sustainable forest management, international forestry, rehabilitation and reforestation in Korea and globally, and many other areas. He has authored and co-authored more than 100 research papers, book chapters and technical reports as well as giving numerous public speeches and presentations at national and international scientific symposia and meetings. He is a member of the Korean Forest Society, and was the president of Korean Erosion Control Association, and the SNU Forestry Alumni Association.

While he was in KFRI, Dr. Suh decided to host the 23rd IUFRO World Congress in Seoul, not only to provide an opportunity for Korean scientists to experience scientific communication, but also to share the successful experience of the Korean people in rehabilitation and reforestation of denuded and degraded forestland over a very short time. He made every effort make the Congress a success, including providing financial and administrative support. With his support, the Seoul Congress in 2010 was recognized at the time as the most successful IUFRO World Congress in history. He also contributed to the support of IUFRO's scientific activities by providing financial resources since 2002. As the Chairman of the IUFRO-KOREA chapter, he also made a big effort to encourage its activities during his service.

Selected research sources:

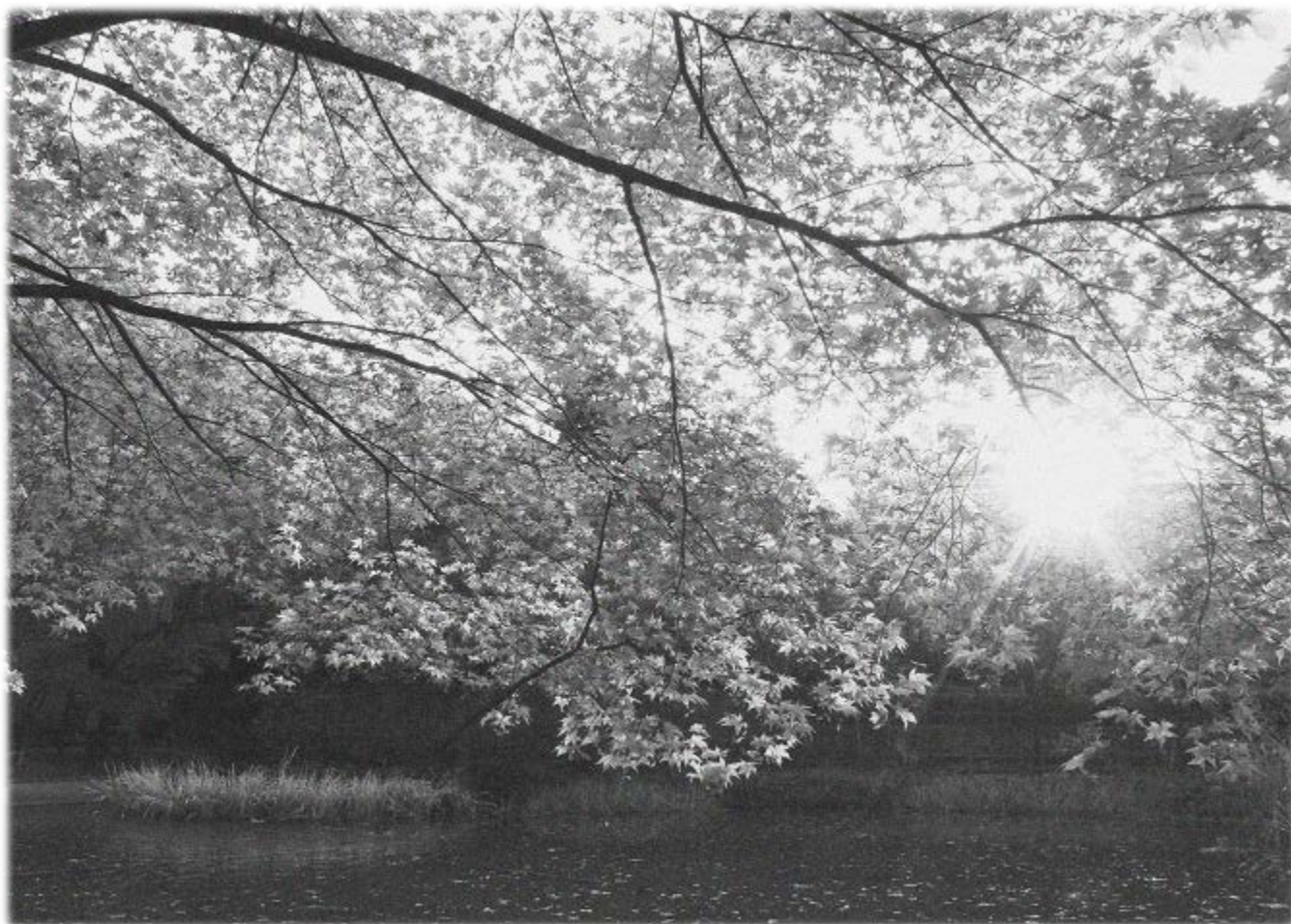
1. *Development of Criteria and Indicators for Sustainable Forest Management in Korea*. Ph.D. dissertation, Seoul National University, Seoul, Korea. 209 p. (in Korean). 1994.
2. Forest restoration and rehabilitation in Republic of Korea (Chapter 25), pp. 383–396. Lee D.K, Suh S.J. In: Stanturf J.A., Madsen P., eds. *Restoration of Boreal and Temperate Forests*. CRC Press, New York. 2005.

Personal sources:

Suh S.J. Personal communications (September 2019) at suhs77@hanmail.net

2011 – 2017

<i>Perry J. BROWN</i>	<i>USA</i>	<i>2011</i>
<i>David (Dave) J. COWN</i>	<i>New Zealand</i>	<i>2011</i>
<i>Joseph R. COBBINAH</i>	<i>Ghana</i>	<i>2012</i>
<i>Richard W. GULDIN</i>	<i>USA</i>	<i>2014</i>
<i>Peter HERBST</i>	<i>Austria</i>	<i>2014</i>
<i>Santiago Barros ASENJO</i>	<i>Chile</i>	<i>2014</i>
<i>Gerardo A. MERY</i>	<i>Chile/Finland</i>	<i>2014</i>
<i>Hans R. HEINIMANN</i>	<i>Switzerland</i>	<i>2016</i>
<i>Konstantin von TEUFFEL</i>	<i>Germany</i>	<i>2017</i>
<i>Margarida TOMÉ</i>	<i>Portugal</i>	<i>2017</i>



BROWN, Perry J.



Perry J. Brown received the IUFRO Distinguished Service Award in 2011 for long-term service to IUFRO.

Perry Brown was born on 20 February 1945 in Helena, Montana, USA. After a year at Foothill College at Los Altos, CA (1963), he received his degrees from Utah State University (USU) in Logan, successively, B.Sc. in Forestry (1967), M.Sc. in Forest Recreation (1968) and Ph.D. (1971) in Outdoor Recreation and Social Psychology. He also studied Survey Research and Social Psychology at the University of Michigan (1968–1970). He started at USU as Assistant Professor (1971), moved to Colorado State University in 1973 progressing to Associate Professor (1974). In 1979 he became Department Head and Professor at Oregon State University (OSU) (1979–1988), and Associate Dean (1988–1994) of the OSU College of Forestry. From 1994–2010, he was Dean of the College of Forestry and Conservation at the University of Montana (UMT) and Director of the Montana Forest and Conservation

Experiment Station (1994–2010), UMT Associate Provost for Graduate Studies (2008–2010) and Interim Provost and Vice President from 2010–2013, and finally Provost and Vice President from 2013 until his retirement in 2016.

Professor Brown's research was on outdoor recreation, human dimensions of wildlife, land planning, wilderness, natural resource policy, and the human dimensions of natural resources, much of which he pioneered. Along with B.L. Driver, G. Stankey, and R. Clark, he developed the Recreation Opportunity Spectrum (ROS) for natural resource planning that is in worldwide use. He authored and co-authored over 120 scientific publications. He has visited over 50 countries for educational and professional purposes.

During his 45 years of research, education and administration, Professor Brown has served as a member and chair of numerous committees and boards at universities, professional societies (e.g., SAF, NAUFRP for which he was President), as well as journals, e.g., *Journal of Forestry*, *Journal of Leisure Research*, *CABI Forestry Series* and the *International Journal of Wilderness*, and publishing houses, e.g., McGraw-Hill, Island Press, and John Wiley and Sons. He was recognized with election as a fellow in both the Society of American Foresters and the Academy of Leisure Sciences, with the USFS Chief's Certificate of Appreciation, Oregon SAF Service and Leadership Award, USU Professional Achievement Award, and membership in the Golden Key Honor Society.

Professor Brown has an extraordinary record of service for IUFRO since 1973 when he was elected as Co-Chair of IUFRO WG Recreation Behavior. He actively participated in ten IUFRO World Congresses from Oslo (1976) to the USA (2014) including the Centennial IUFRO Meeting in Berlin (1992). He has also attended and co-organized many inter Congress conferences, seminars and workshops. He served as Deputy Leader (1978–1990) and Leader of IUFRO unit on Forest Recreation (1991–1995), Deputy Coordinator 1996–2005 and Coordinator (2006–2010) of IUFRO Division 6, Social, Economic and Policy Sciences and was a member of the IUFRO Board, as well as Co-Leader of the TF on People and Forests (since 2011).

Selected research sources:

1. *Recreation Carrying Capacity in Wilderness: A Series of Topical Papers*. P.J. Brown and J.H. Schomaker, eds. Utah State University, iii, 119 p. 1973.
2. *Recreation Opportunity Spectrum User Preference Study*. Rep. to U.S.D.I. BLM. (with D.M. Ross). 1980.
3. *Social Science in Natural Resource Management Systems*. M.L. Miller, R.P. Gale and P.J. Brown, eds. Westview Press, Boulder, Co., 265 p. 1987.

Personal sources:

1. URL: <http://www.umt.edu/president/imx/provost/brownresume.pdf> Retrieved 10.05.2019.
2. Brown P. Personal communications (May 2019 and July 2020) at perry.brown@umontana.edu

COWN David (Dave) John



David John Cown received the IUFRO Distinguished Service Award in 2012 for his outstanding contribution to IUFRO, especially the development of Division 5 Forest Products.

David Cown was born on 21 December 1944 in Huntly, Scotland. He earned his B.Sc. (Hons) in Forestry at the University of Aberdeen (1967) and Ph.D. in Wood Science (1976) at the University of British Columbia, Canada. In 1967 he began his professional career as Forest Manager at Tilhill Forrestry, Elgin, Scotland.

After moving to New Zealand, he linked his career entirely with the New Zealand Forest Research Institute Ltd. (Scion) in Rotorua where he progressed from Wood Quality Scientist (1969–1973) to Group Leader (1976–1992), Manager of Wood Processing Division (1992–1997) and Scion Senior Scientist, Wood Quality (1998–2004). Dr. Cown was active as a consultant to various national and international

projects. He retired in 2016.

Dr. Cown's research interests were in the general area of wood quality: quantifying impact of forest management practices on wood formation, properties and quality, product performance and value, "mapping" of the major wood properties across New Zealand, sawmilling and remanufacturing, and monitoring of international forest products research. He authored and co-authored over 300 research and technical papers, book chapters, books, and reports, including about 150 refereed scientific publications. He has also served as an Associate Editor of *Canadian Journal of Forest Science* and a member of the Editorial Board of the *South African Journal of Forestry*.

Dr. Cown has often been invited as a speaker on wood quality at international conferences (USA, Canada, Japan, Sri Lanka, South Africa, Chile, Slovakia, and Sweden). He has also provided numerous consultancies on the quality and uses of both softwoods (Australia, Canada, Fiji) and hardwoods (China, Fiji), on wood quality survey and sawing studies of mahogany (Fiji), and on the development of non-destructive sampling methods for wood quality. He participated in several New Zealand industry trade missions to promote radiata pine wood products in Korea, Thailand, and China. He served as a member of International Advisory Committee of Japanese Wood Research Society.

His achievements were recognized with several honours and awards, including the Bill Thode Award (2002), George Marra Award for Excellence (2006), and New Zealand National Science Award (2017). Dr. Cown served as a IUFRO Officer in various positions, including as Coordinator of IUFRO unit S5.01-05 on wood properties (1991–2005), Board member and Coordinator of Division 5 Forest Products (2005–2010), and since 2010 – Deputy Coordinator of Division 5 and IUFRO Extended Board member. He also organized All-Division 5 conferences in Rotorua (2002) and Taipei (2007) and helped in organizing other scientific and professional meetings.

Selected research sources:

1. Basic Wood Properties. Ch. 6., 15 pages. In: *Properties and Uses of New Zealand Radiata Pine: Wood properties*. J. A. Kininmonth, L. J. Whitehouse, eds. Ministry of Forestry, (with J.M. Harris). 1991.
2. Radiata pine and Douglas-fir: suitability for processing. *FRI Bulletin* 168, 74 p., ill. 1992.
3. Role of intensively managed forests in future timber supply. *CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Nat'l Resources*, 2(023): 1–12. 2007.

Personal sources:

Cown D.J. Personal communications (July 2019) at Rotorua, New Zealand.

COBBINAH, Joseph Rexford



Joseph Rexford Cobbinah received the IUFRO Distinguished Service Award in 2012 for his long-term contribution to IUFRO activities in various capacities.

Joseph Cobbinah was born on 5 January 1947 in Kumasi, Ghana. He received his B.Sc. (Hons) in Biological Science from the Kwame Nkrumah University of Science & Technology (KNUST) in Kumasi (1971) and Ph.D. in Entomology from the University of Adelaide, Australia (1978). Dr. Cobbinah has spent his entire professional career with the Forestry Research Institute of Ghana (FORIG), Kumasi. He progressed from Research Scientist (1979) to Senior (1983), Principal (1990), and Chief Research Scientist (1996). He was then promoted to the FORIG Deputy Director (1996), Acting Director (1997) and Director of (1997–2007), and works now as an emeritus Chief Research Scientist. As a Professor he has been teaching various courses at the KNUST Faculty of Agriculture and the Institute of Renewable Natural Resources (1982–1984), FORIG-University of Eastern Finland Graduate Program (2009–2015) and the Council for Scientific & Industrial Research (CSIR) Postgraduate College of Science & Technology (since 2015).

Dr. Cobbinah's research interests span agriculture and forest entomology, pest control in tree nurseries and forests, sustainable forestry and forest production, snail farming, forest planting, and forest protection. He has authored and co-authored over 140 publications. He has held membership in the Entomological Association of America, African Association of Insect Scientists, Commonwealth Forestry Association, African Forestry Research Network (AFORNET) and others. At the national level, he has served as a member or leader of many national committees, e.g., as Commissioner of the Ghana Forestry Commission (1998–2003), Chair of the National Governing Council on Forest Certification (2004–2007). He was also Ghana's sole representative to UNCSTD, Coordinator of Plant Resources of Tropical Africa (PROTA), member of the Governing Board of TROPENBOS International, Africa Forest Forum (AFF), and others. He was recognized with an International Scientific Award by the Italian Snail Farmers Association (1988), the Fulbright Fellow (1991–1992), Rockefeller Scholar (1993) and ICRAF's Senior Distinguished Fellow (2007).

Since 1995, Dr. Cobbinah has served as a Coordinator of IUFRO WPs 7.03.02, 7.03.09, and 7.03.11. He was Country Representative on the IUFRO International Council (1997–2007), a member of the IUFRO TF on GFIS (1998–2004), Statutes Review Panel (2005), and H&A Committee (2013), as well as IUFRO Representative to the UNFF Scientific and Technological Major Groups (since 2009) and the ICSU Regional Review Panel (2013). He has played a leading role in the Forestry Research Network of Sub-Saharan Africa (FORNESSA) as a member of the Steering Committee (since 2000), Coordinator (since 2007), Chair of COC and CSC for the First IUFRO-FORNESSA Africa Regional Congress in Nairobi (2011–2012), Chair of the Steering Committee for IUFRO-GFIS Africa Project (1999–2004) and Resource Person at the IUFRO Regional Workshops on the Science-Policy Interface (2007) and Writing Convincing Research Proposal (2013). In 1990, he was nominated for IUFRO SAA.

Selected research sources:

1. *Forest Entomology of West Tropical Africa: Forest Insects of Ghana*. Kluwer Academic Publishing, the Netherlands, 210 p. (with M.R. Wagner, S.K.N. Atuahene). (2d ed., 2008. LXX, 244 p.) 1991.
2. *Snail Farming in West Africa: A Practical Guide*. CTA Technical Centre for Agricultural and Rural Cooperation, Ede, the Netherlands, 56 p. 1993.

Personal sources:

Cobbinah J. Personal communications (June 2019) at [jacobbinah@csir-forig.org.gh](mailto:jcobbinah@csir-forig.org.gh), joe.cobbinah@gmail.com

GULDIN, Richard William



Richard William Guldin received the IUFRO Distinguished Service Award in 2014 for his leadership as Chair, Congress Organizing Committee, XXIV IUFRO World Congress.

Richard Guldin was born on 24 July 1948 in Reading, Pennsylvania, USA. He earned his B.Sc. (Hons.) in Forest Science (1970) from Pennsylvania State University, and two degrees from Yale University – M.Sc. in Forest Science in 1976 and Ph.D. in 1979 with emphasis in renewable resources economics. He received post-graduate training in executive leadership, with a focus on the integration of science and policy at the Kennedy School of Government, Harvard University (2003, 2005).

After graduation in 1970, Richard served four years as a military officer in the U.S. Army Corps of Engineers in Washington, DC.

In 1979 he started his Forest Service career as a Research Forester at the Southern Forest Experiment Station in New Orleans, Louisiana. In 1985 he moved to the agency headquarters where he was responsible for national resource assessments and later national research budgets. In 1990, he was the forestry expert for the U.S. Senate's Committee on Agriculture, Nutrition, and Forestry. In 1992–1996, Dr. Guldin served as Assistant Station Director for the Northeastern Forest Experiment Station in Radnor, PA. He was promoted to the Senior Executive Service in 1996 and returned to Washington D.C. as the Director of Quantitative Sciences for the Forest Service. He transformed the Forest Inventory and Analysis Program into an annualized national census of U.S. forests, and between 2002 and 2014, led the U.S. delegation to the Montréal Process Working Group (MPWG) for the Sustainable Management of Temperate and Boreal Forests. From 2002 he led the adoption and training on the FS Code of Scientific Ethics, aimed at achieving high standards in the conduct and reporting of research. He retired from government service in 2015 and developed his business "Guldin Forestry LLC".

Dr. Guldin joined the Society of American Foresters (SAF) in 1968. In SAF, he served as the first Student Chapter President at Yale, and then as Vice-Chair (1997–1998) and Chair (1999–2000) of SAF Economics, Law, and Policy WG, Acting Managing Director of Publications (2016–2017), and Acting Editor-in-Chief of the *Journal of Forestry* (2018). He is a Licensed Professional Forester (since 1987) and SAF Certified Forester (since 2003). Dr. Guldin has an extensive and impressive record of activities within IUFRO. He served as Leader of Division 6 WP on Forest Recreation and Policy (1991–1995), Coordinator of TF "Forest Science-Policy Interface" (1999–2005), and COC Chair for the XXIV IUFRO World Congress, held in Salt Lake City, Utah (2014), attended by 3,500 participants from over 100 countries. Since 2015, he has led the development of a new donations program for IUFRO, initially the Eberswalde Circle. Dr. Guldin has been recognized with several honours and awards including a National Science Foundation Graduate Fellowship (1974-1978), FS Chief's Award for Technology Transfer (1994), Fellow of SAF (2017), and Outstanding Alumnus, Penn State Forestry Alumni Association (2015).

Selected research sources:

1. Forest Science and forest policy in Europe, Africa, and the Middle East: Building Bridges to a sustainable future. *Scand. J. F. Res.* 19 (4): 5–13. (with N.E. Koch, J.A. Parrotta, C. Gamborg, and B.J. Thorsen. 2004.
2. Working Effectively at the Interface of Forest Science and Forest Policy. *IUFRO Occasional Paper* 17, 29 p. (with J.A. Parrotta and E. Hellstrom). 2005.
3. Scientific Ethics: Roots of the Forestry Profession. *J. of For.* 117(1): 78–79. 2019.

Personal sources:

1. URL: <https://ecosystems.psu.edu/alumni/awards/2015-outstanding-alumni/richard-w-guldin>
2. Guldin R.W. Personal communications (May 2019) at Rich@guldinforestry.com

HERBST, Peter



Peter Herbst received the IUFRO Distinguished Service Award in 2014 in recognition of his outstanding and valuable service to IUFRO.

Peter Herbst was born on 24 May 1959 in Villach Austria. He graduated as Dipl.-Ing. in Forestry from the BOKU University of Natural Resources and Life Sciences, Vienna (1984) and obtained his Magister Juris from University of Salzburg (1990). In 1987, he passed the State Examination for the Senior Forest Service. Masters degrees in forestry and timber management and in forest and environmental law has enabled him to make important contributions in engaging and promoting research on forest and environmental law development as well as to provide relevant consultancies to various organizations and governmental agencies. As a forest legal expert, he has consulted in over 20 countries in Europe and Central Asia, undertaking assessments of the technical sufficiency of forest and environmental legislation and regulations, analyzing forest law and forest policy, and drafting forest legislation.

Mr. Herbst is a member of several national and international professional societies and bodies, e.g., Association of Austrian Foresters, Association of Carinthian Lawyers, Austrian Association of Court Surveyors, International Association for the Study of the Commons (IASC) and the European Expert Association (EuroExpert). He acts as Member of the Commission for the Certification of Foresters (Examiner at State Examination for Senior Forest Service) and Certified Examiner for Forestry Master Craftsman's certificate (*Meisterprüfung*). In addition, international governance institutions like the FAO, World Bank and others have widely acknowledged his work.

Mr. Herbst has been extensively involved in practical forest management planning and community forest management, as well as lecturing in forest law, forestry, and forest policy and economics in BOKU, University of Sarajevo and others. He has authored and co-authored numerous scientific publications, and edited a multiplicity of proceedings of various meetings and technical reports in the sphere of his professional interests. He also acts as a reviewer for scientific journals, such as *Forest Policy and Economics*, *Journal of Environmental Management*, and others.

Peter Herbst was co-chair of the former RG S6.13.00 Forest Law and Environmental Legislation from 1994, and then chaired IUFRO RG 9.06.00 from 2000. He organized and co-organized numerous meetings of these research groups and joint symposia of various IUFRO units. The results of these conferences have been published as IUFRO World Series (a volume for Europe in 2000 and a volume for Latin America in 2005), and a series of more than a 15 publications of international IUFRO symposia on the Legal Aspects of European Forest Sustainable Development.

Selected research sources:

1. *Wegerecht & Grenzstreitigkeiten*. 2 ed. Neuer Wissenschaftlicher Verlag, Wien, 156 p.. (with M. Maschl). [Right of Way & Boundary Disputes]. 2009.
2. *Legal Aspects of European Forest Sustainable Development (11)*. R. Šulek, P. Herbst, and F. Schmithüsen, eds. Faculty of Forestry, Technical University in Zvolen, Slovakia, 163 p. 2010.
3. *Der Baum im Nachbarrecht – Freude, Ärger, Risiko*. 4 ed. Neuer Wissenschaftlicher Verlag, Wien, 152 p.. (with G. Kanduth and G. Schlager). [Trees and Neighbor Disputes – Rights, Obligations, Liabilities]. 2016.

Personal sources:

Herbst P. Personal communications (April 2019) at hp@net4you.at

BARROS ASENJO, Santiago



Santiago Barros Asenjo received the IUFRO Distinguished Service Award in 2014 for more than 20 years being a IUFRO Officer in different working groups, International Council member and organizer of several IUFRO congresses, such as IUFROLAT I, IUFROLAT II and others.

Santiago Barros was born on 7 April 1948 in Santiago, Chile. In 1975, he graduated with Diploma (Hons.) of Forest Engineer from the University of Chile, and in 1996, he got a Dipl. of Services Management at Adolfo Ibáñez University. In 1974, he began his professional career as a researcher at the Chilean Forestry Institute (INFOR), then progressed to Project Manager (1975–1986), Head of the Forestry Division and Technical Advisor to the INFOR Executive Directorate.

As Project Manager, he led the Species Introduction Program, evaluating exotic species of high economic value in more than 8,000 plots at over 60 sites that were established during 1963–1975 throughout the country. He then led projects focused on provenance studies, establishment and management of plantations and genetic improvement (1996–2001). Since 2001, Mr. Barros has been Professor of Planted Forest Silviculture and served as Thesis Coordinator at the *Universidad Mayor de Chile* Forest Engineering School, and since 2006, he has coordinated the Department of International Relations and Communications at the INFOR's Executive Directorate. He is now in charge of the management of publications of INFOR and is also the Editor of *Ciencia e Investigación Forestal*.

Mr. Barros is the author, co-author or editor of more than 100 scientific and technical publications including several books and manuals related to the introduction of forest species, silviculture and improvement of forest plantations and forest development of arid and semi-arid zones. Since 1980, he has coordinated and organized numerous national and international congresses and seminars. He has served as a consultant at the national level to the National Forest Corporation (CONAF), Society of Agriculture and Services Easter Island (SASIPA-CORFO), Banco de Chile, the Scientific and Technological Development Support Fund (FONDEF) and won competitive funds financing the research and development in Chile. Internationally, he has been a consultant to the FAO, the International Development Research Centre (IDRC) of Canada, and the German Technical Cooperation Agency (GTZ). He worked as Regional Coordinator supervising about 25 IDRC projects in Latin America and the Caribbean, several of which refer to species introduction in different countries.

Mr. Barros has actively served in different positions in the IUFRO structure for more than twenty years, including Coordinator of IUFRO units 9.01.04 Forest Information Network for Latin America and the Caribbean and 1.02.05 Forestry and Management in Arid and Semi-Arid Zones, Deputy Coordinator of 9.01.00 Information and Communication, and member of the IUFRO IC on behalf of Chile.

Selected research sources:

1. *Eucalyptus: Principios de silvicultura y manejo*. Prado, J. and Barros S. eds., Instit. Forestal, Chile, 199 p. 1989.
2. *Actas. Simposio los Eucaliptos en el Desarrollo Forestal de Chile, Pucón, Chile, 24–26 noviembre 1993*. Barros, S., Prado, J. y Alvear, C. Eds. Instituto Forestal, Chile, 633 p. 1994.
3. *Collaboration and Partnership in Forestry: Conference proceedings (Div. 6 IUFRO Conf., Valdivia, Chile, November 11–17, 2002)*. Barros, S., ed. Virginia Tech., USA, CD-ROM. 2002.

Personal sources:

Barros Asenjo S. Personal communications (June 2019) at santiago.barros@infor.cl

MERY, Gerardo Andrés



Gerardo Andrés Mery received the IUFRO Distinguished Service Award in 2014 for his long-term service as Coordinator of the IUFRO Special Project on "World Forests, Society and Environment" (IUFRO-WFSE).

Gerardo Mery was born on 5 August 1946 in Santiago, Chile. He graduated from Forestry Engineering at the University of Chile, Santiago (1967–1972), and later continued his studies at the University of Helsinki, Finland (1979–1983) and obtained a M.Sc. in Forestry (1983). In 1971–1973 he worked at the Chilean Forest Service (CONAF) and the Chilean Natural Resources Institute (CIREN). After moving to Finland in 1974, he worked as a Researcher at *Metsähallitus* (Finnish Forest Service) and the 7th National Forest Inventory of Finland. In 1983 he was appointed Researcher and then Senior Researcher at the Finnish Forest Research Institute (METLA) where he worked continuously until 2014. He was a leader of the project *World Forests, Society and Environment* (WFSE) for 10 years at METLA and in 2001–2014 at IUFRO as a Coordinator of IUFRO-WFSE, and in 2015–2017 as General Coordinator of FAO/GEF project *Sistema Integrado de Evaluación y Monitoreo de Ecosistemas Forestales de Chile* (SIMEF) Integrated System for the Evaluation and Monitoring of Forest Ecosystems in Chile).

Mr. Mery's research interests have been in the field of forest inventory and assessment, sustainable forest management, forest policy, deforestation and afforestation, carbon policy issues, REDD and REDD+, governance, and social development and poverty alleviation in rural communities. He authored and co-authored more than 100 scientific papers, co-edited 11 major scientific publications, and wrote book chapters and reports. He carried out various short-term consultancies for national governmental organizations in Argentina, Australia, Chile, Colombia, Costa Rica, Finland, Peru and other countries as well as national and international projects and organizations, e.g., Jaakko Pöyry Oy, METLA, and Forest Institute of Chile (INFOR).

Mr. Mery is a member of various professional societies and organizations including the Association of Foresters of Finland (since 1983) and Finnish Forest Science Association (since 1995), Nordic Association of Forest Economists (1984–2001), and he served as a Member of the Board of Directors of the Latin American Institute of the University of Helsinki (1998–2004). His service was recognized by the President of Finland as *Suomen Leijonan Ritarikunnan – Suurmestari* (Knight of the Order of the Lion of Finland FL K) for outstanding professional work accomplished in Finnish organizations (1998), the Medal of the Finnish Forest Science Association (2006), INFOR's Distinction (2006), and METLA's Recognition for 31 years of continuous research work for the Institute (2014).

Selected research sources:

1. *Sustainable forestry challenges for developing countries*. M. Palo, and G. Mery, eds. Environmental Science and Technology Library. Kluwer Academic Publishers, Dordrecht, Boston, London, 384 p. 1996.
2. *World Forests, Markets and Policies*. M. Palo, J. Uusivuori, and G. Mery, eds. Kluwer Academic Publishers, Dordrecht, Boston, London, 495 p. 2001.
3. *Forests in the Global Balance – Changing Paradigms*. G. Mery, R. Alfaro, M. Kanninen, and M. Lobovikov, eds. IUFRO World Series Vol. 17, 318 p. 2005.
4. *Forests and society – Responding to Global Drivers of Change*. G. Mery, P. Katila, G. Galloway, R. Alfaro, M. Kanninen, M. Lobovikov and J. Varjo, eds. IUFRO World Series Vol. 25, 509 p. 2010.
5. *Forests under pressure – Local responses to global issues*. P. Katila, G. Galloway, W. De Jong, P. Pacheco and G. Mery, eds. IUFRO World Series Vol. 32, 561 p. 2014.

Personal sources:

Mery G. Personal communications (May 2019) at germerfor66@gmail.com

HEINIMANN, Hans Rudolf



Hans Rudolf Heinimann received the IUFRO Distinguished Service Award in 2016 for his longstanding contribution to IUFRO advancement, especially as leader of Division 3.

Hans Heinimann was born in 1954 in Liestal, Switzerland. He obtained his M.Sc. in Forest Sciences (1978) and a doctorate (D. Tech. Sc.) in Forest Engineering (1986) from the *Eidgenössische Technische Hochschule* (ETHZ, Swiss Federal Institute of Technology) in Zürich. In 1980 he began his professional career as an Assistant Researcher at the ETH Section of Forest Engineering, and in 1985 he was promoted to Head of the Forest Engineering Systems Section and Deputy Chief Forester at the Bernese Forest Service. He became an Associate (1991) and Professor of Forest Engineering (1997) at the ETHZ.

At the ETHZ, he served as Deputy Head and Head of the Department of Forest and Wood Research (1992–1997), Deputy Head and Head of the Department of Forest Sciences (2001–2007), Vice Rector for Education (2007–2013), Founding Head of the Institute of Terrestrial Ecosystems (2006), Founding Chairman of the Risk Centre (2011), Head of IDEA League Strategic Educational Committee (2008–2012) and other positions. He was visiting Professor at Oregon State University in Corvallis, OR, USA (1999–2000), University of Tokyo, Japan (2009), and Australian National University (2013), and Visiting Scientist (2002–2003) and Fellow (2004–2009) of the *Collegium Helveticum*, a Centre for Advanced Studies sponsored by ETHZ and the University of Zurich. He was the Program Director of the Future Resilient Systems research program at the Singapore-ETH-Centre, Singapore (2014–2019).

Dr. Heinimann's research interests have been focused on cross-disciplinary studies, forest operations, engineering and management, designing and improving land use policies and practices, land use optimization, adaptive ecosystem and land-use management, modelling, risk management of natural hazards, resilience of large-scale systems, influence of emotions on risk behaviour, and others. He has authored and co-authored more than 100 research papers, book chapters, books and reports. He has served as a Member of the editorial board of several scientific journals including *Forest, Snow and Landscape Research* (since 1999), *Scandinavian Journal of Forest Research* (2001–2009), and *Croatian Journal of Forest Engineering* (since 2008), and was Associate Editor of *Silva Fennica* (1999–2006).

Dr. Heinimann is a member of numerous scientific and professional societies, e.g., a member of the Swiss Academy of Engineering Sciences, American Economic Association, American Society of Agricultural and Biological Engineers, and Swiss Forest Association, to name just a few. He has been actively involved in the international scientific community, e.g., since 1991, he has served as Deputy and then Leader of IUFRO unit S3.06-01, two terms as Coordinator of IUFRO Division 3 Forest Operations (2006–2014) and IUFRO Board member.

Selected research sources:

1. Forest operations, engineering and management – the ways behind and ahead of a scientific discipline. *Croatian J. of For. Engineering* 28: 107–121. 2007.
2. A concept in adaptive ecosystem management – An engineering perspective. *F. Ecol. & Mgmt* 259: 848–856. 2010.
3. Concurrent optimization of harvesting and road network layouts under steep terrain. *Annals of Operations Research* 232(1): 41–64. (with L.G. Bont, and R.L. Church). 2015.
4. Infrastructure resilience assessment, management and governance—state and perspectives. In: *Resilience and risk*. Springer, Dordrecht, pp. 147–187. (with K. Hatfield). 2017.

Personal sources:

Heinimann H.R. Personal communications (June 2019) at hans.heinimann@env.ethz.ch

von TEUFFEL, Konstantin Freiherr



Konstantin Freiherr von Teuffel received the IUFRO Distinguished Services Award in 2017 for his management of the “IUFRO Directors Forum” from 2006–2017 and his exceptional organization of the IUFRO 125th Anniversary Congress in Freiburg Germany.

Konstantin von Teuffel was born on 2 February 1954 in Stuttgart, Germany. He studied Forest Sciences at the universities of Göttingen and Freiburg (1976–1981) and graduated with a Forestry Diploma in 1981. He then studied and passed the Great State Examination at the Forest Service Baden-Württemberg (1983) and became *Forstassessor* (officer) in Forest Management planning at the Forest District *Ochsenhausen*, and in 1985 – a Consultant in the Division of Human Resources, State Forest Service, Ministry of Nutrition and Rural Space in Stuttgart. In 1987–1989, he studied at the *Führungsakademie* (Leadership Academy) of Baden-Württemberg in Karlsruhe. He then served as Head of the State Forest

Office in Ulm, Baden-Württemberg (1989), Head of the Department of Forest Policy at the State Forest Directorate Tübingen (1991) and Head of the Department of Silviculture, Forest Management Planning, Hunting and Forest Research at the Ministry of Rural Space in Stuttgart (1994). Since June 2000, he has been Professor and Director of the Forest Research Institute of Baden-Württemberg (FVA) in Freiburg.

Professor von Teuffel’s research interests have focused in the area of sustainable forestry, silviculture, forest management planning, forest policy and economics, forest research and education. In these and related fields he authored and co-authored book chapters, and reports as well as edited several proceedings of scientific conferences. He was a member of the editorial boards of *Annals of Forest Science* (2006–2017), and *Archive of Forest Science* (2009–2017). Professor von Teuffel has served as a member scientific, advisory and management boards of many national and international organizations and bodies including the EFI’s Regional Project Centre CONFOREST (2003–2009), European Forest Institute (2003–2010) being a Chairman of its Board (2006–2010). He was also involved in activities of the Forest Based Sector Technology Platform (FTP) serving as Head of its German National Support Group (2006–2016), Chairman of the FTP Advisory Committee and Member of the FTP High Level Group (2013–2016). He took leadership in several international R&D projects at the EU level.

Professor von Teuffel has actively participated in IUFRO accomplishments and events. He has served as Coordinator of IUFRO Research Unit 6.06 Managing Forest Research (2006–2015), Deputy Coordinator of IUFRO Division 9 Forest Policy and Economics (2010–2014), and Coordinator of IUFRO Special Programme “Directors Forum” (since 2015). He is also a longstanding member of IUFRO Board. During 2016–2017, he dedicated much of his energy to organizing the IUFRO 125th Anniversary Congress in Freiburg, Germany.

Selected research sources:

1. Norway spruce: Production of large-sized timber still economically sensible in southwestern Germany? *Allgemeine Forst und Jagdzeitung* 175(9): 171–182. (with U. Kohnie). 2004.
2. *Waldumbau für eine zukunftsorientierte Waldwirtschaft Ergebnisse aus dem Südschwarzwald*. K. von Teuffel, M. Baumgarten, M. Hanewinkel, W. Konold, H. Spiecker, H.-U. Sauter, and K. von Wilpert, eds. Springer, xvi, 442. [Forest Modification for a Future-oriented Forestry: Results from the Southern Black Forest]. 2005.
3. End user needs and requirements. *Sustainable Forest Management, Growth Models for Europe*. H. Hasenauer, ed. Springer, Berlin Heidelberg, p. 19–35. 2006.
4. Current challenges in the management of forest research. *Folia For. Polonica*, Ser. A, 53(1): 77–81. 2011.

Personal sources:

1. URL: <https://www.forstpraxis.de/konstantin-frhr-von-teuffel-60/> Retrieved 06.06.2019
2. Teuffel, K.F. von. Personal communications (June 2019) at konstantin.teuffel@forst.bwl.de

TOMÉ, Margarida



Margarida Tomé received the IUFRO Distinguished Service Award in 2017 for substantially furthering the scientific, technical and organizational aims of the Union.

Maria Margarida Branco de Brito Tavares Tomé was born on 29 June 1954 in Lisbon, Portugal. Her entire career has been tightly linked with her *alma mater* – *Instituto Superior de Agronomia (ISA)*, from which she graduated in Forestry (1977), obtained her Ph.D. in Forestry (1986) and was habilitated (1996). She also graduated in Applied Mathematics: statistics, operations research and informatics (1984) and obtained a minor in Statistics (1986) from *Universidade de Lisboa*. She has progressed professionally at the same institutions, from Teaching Assistant (1978) to Assistant Professor (1989), Associate Professor (1990) and full Professor (since 2000).

Dr. Tomé has been actively involved in the ISA's public and management affairs. She progressed from a Member of the Educational Board (1980) to Chair of the Educational Board (1993–1996), from member of the *Board of Directors* (1984–1996) to Head of the ISA Computing Centre (1997–1998), from Member of the Executive Board (1987–1991) to Deputy Chair (1998–2000) and Chair (2002–2004) of the Forestry Department, and to the Chair of the ISA Scientific Board (2009–2013). At the international level, she served as a member of the Scientific Advisory Board of the EFI (2000–2004), EFIATLANTIC (2009–2012) and EFIMED (since 2011).

Dr. Tomé has research interests in the improvement of methods for forest ecosystem assessment, enhancement of forest models in order to cope with the complexity of the Atlantic and Mediterranean ecosystems as well as with the context of multi-faceted changes, integration of forest models into forest simulators, and in developing monitoring methodologies for carbon stocks.

Dr. Tomé has authored and co-authored more than 350 scientific publications, including 8 books, and she has edited the Kluwer/Springer series "Managing Forest Ecosystems" since 2000. She has been recognized with numerous honours and awards of *Instituto Superior de Agronomia*, *Junta nacional de Investigação Científica* (Portugal) as well as National Academy of Sciences (USA), Environmental Systems Research Institute (ESRI) Award for best scientific paper in GIS and others.

Dr. Tomé has been active in IUFRO since 1991, serving as Co-chair (1991–1995) and Chair of WP S4.01-04 (1996–2000), Deputy Coordinator (2001–2005) and Coordinator of IUFRO Division 4 – Forest assessment, modelling and management (2006–2014). She has also served as a member of the IUFRO TF "The role of forests in carbon cycles, sequestration and storage" (2001–2005), and from 2015, she was Co-chair of the IUFRO TF "Sustainable planted forests for a greener future". She has organized and co-organized numerous IUFRO Division 4 scientific conferences, seminars and other symposia at national and international level, and edited their proceedings. Dr. Tomé was granted IUFRO Best Poster Award (2000) and IUFRO Scientific Achievements Award (2019).

Selected research sources:

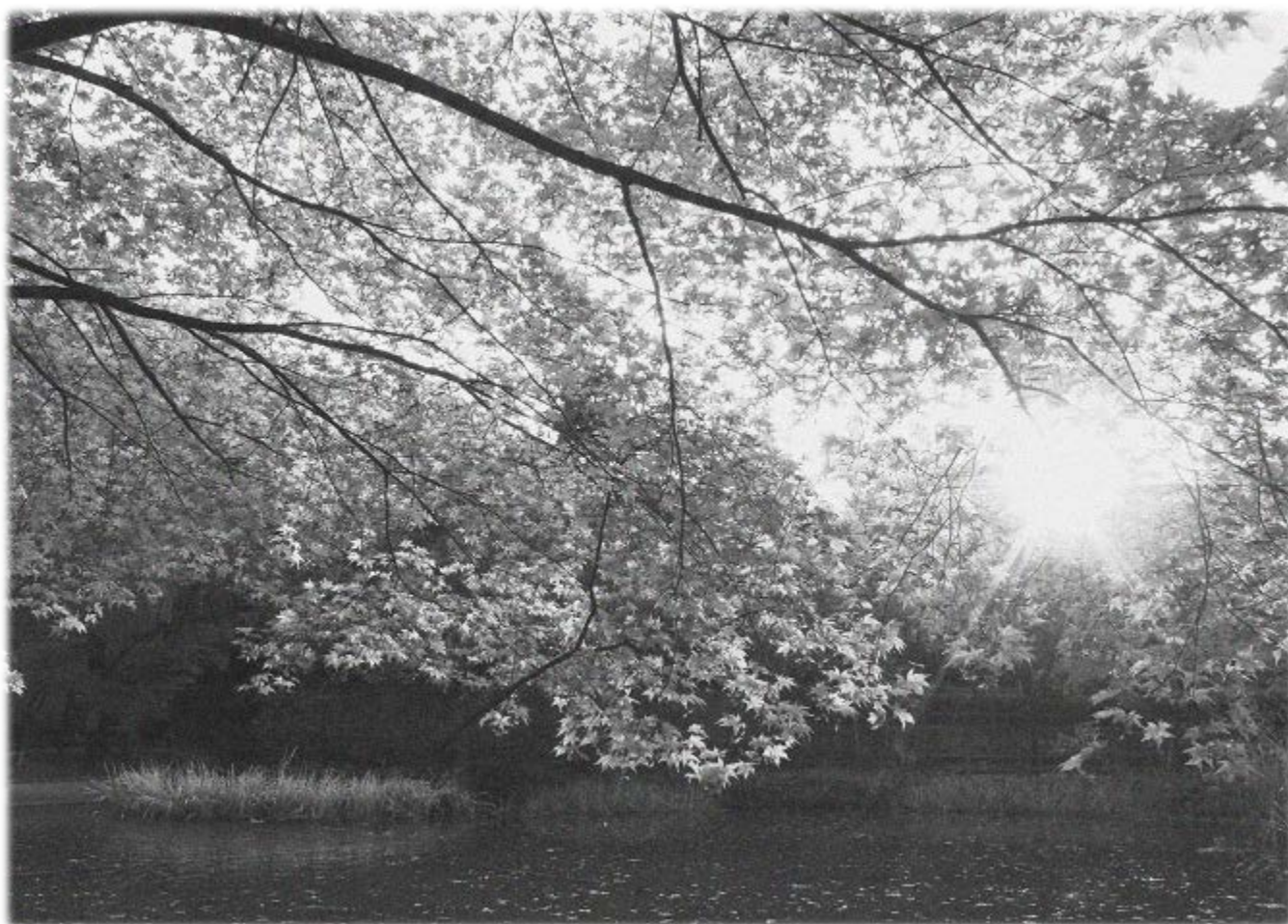
1. *Sustainable Forest Management*. K. von Gadow, M. Tomé, and T. Pukkala, eds. Series Managing Forest Ecosystems, Kluwer Academic Publishers B. V. Series. 368 p. 2000.
2. Burkhart H., Tomé M. *Modeling Forest Trees and Stands*. Springer, xiv, 476 p. 2012.

Personal sources:

Tomé M. Personal communications (April 2019) at magatome@isa.ulisboa.pt

2018 – 2023

<i>Victor K. TEPLYAKOV</i>	<i>Russia</i>	<i>2018</i>
<i>Valentin S. SHALAEV</i>	<i>Russia</i>	<i>2018</i>
<i>John A. STANTURF</i>	<i>USA</i>	<i>2018</i>
<i>Piotr PASCHALIS-JAKUBOWICZ</i>	<i>Poland</i>	<i>2018</i>
<i>Jean-Michel CARNUS</i>	<i>France</i>	<i>2018</i>
<i>Jerome (Jerry) K. VANCLAY</i>	<i>Australia</i>	<i>2019</i>
<i>Yeda Maria Malheiros de OLIVEIRA</i>	<i>Brazil</i>	<i>2019</i>
<i>Joberto Veloso de FREITAS</i>	<i>Brazil</i>	<i>2019</i>
<i>Kazuo SUZUKI</i>	<i>Japan</i>	<i>2022</i>
<i>Ladislav PAULE</i>	<i>Slovakia</i>	<i>2022</i>
<i>Renate PRÜLLER</i>	<i>Austria</i>	<i>2022</i>
<i>Eero MIKKOLA</i>	<i>Finland</i>	<i>2022</i>
<i>Maria PATEK</i>	<i>Austria</i>	<i>2023</i>



TEPLYAKOV, Victor Konstantinovich



Victor Konstantinovich Teplyakov received the IUFRO Distinguished Service Award in 2018 in recognition of his contributions to IUFRO over a long period of time.

Victor Teplyakov was born on 25 November 1954 in Mytishchi, Moscow Region, the USSR. He earned his Diploma (Hons) of Forestry Engineer (1977) and Ph.D. in Forest Management and Planning (1985) at Moscow Forest Technical Institute (MFTI, since 1993 – Moscow State Forest University, MSFU). He served as an Assistant Professor at the Department of Land Survey (1977), and at the Department of Forest Management he progressed from Assistant (1979) to Associate (1985) and full Professor (2004–2009). He has taught various courses including Biometry, Forest Inventory, Forest Management Planning, Forest Recreation Management and Forest History. He was a visiting scholar (1988–1989) at the University of Massachusetts under the US International Research Exchange Program (IREX) and Charles Bullard Fellow at Harvard University (1992–1993).

He served as Deputy Dean of the Forest Faculty (1987–1990). In 1993 he designed the basics, was co-founder and a long-term member of the Board of the Institute of System Forest Research (since 1994). He then served as a Deputy Director (1993) and Director (1996) for Research at the Russian Federal Forest Service (RFFS), Head of the Forest Programme at the IUCN Office for Russia (1999), Coordinator of the IUCN Global TBFP (2004). In 2008 he was Visiting Professor and since 2009 Professor at College of Agriculture Life Sciences at Seoul National University until his retirement (2015).

Dr. Teplyakov wide interests cover forest ecosystem management, sustainable forestry, public involvement in decision-making, education, environmental impact assessment, long-term forest research and statistics, international forestry, forest governance and policy, and forest history. He has authored and co-authored more than 200 scientific articles, over 30 books, textbooks and manuals, more than a dozen technical reports, e.g., for the Russian Ministry of Education, IUCN, FAO, and the World Bank. He has served as a member of advisory and editorial boards of forestry journals published in Russia, China and the Republic of Korea. Dr. Teplyakov has been a member of several professional societies, e.g., All-Russian Conservation Society (1973), Russian Society of Foresters (1992, member of Board 1998–2007), SAF (1994–2013), FHS (1994–2013), and ISTF (1994–1999). He has served as a member of IUCN Forest Advisory Group (1996–2009), Public Council at the RFFS (2001–2004), SABs at Metla (2001–2005) and at the EFI (2005–2008), the WB Forest Policy Review team (2001–2002) and others. He was co-organizer of national and international meetings, including All-Union Environmental Conferences and All-Russian Congresses of Foresters (1987–2004). He has served as a moderator of the Preparatory Conference and national co-chair of the Ministerial Conference on ENA FLEG (Moscow and St.-Petersburg, 2005). In 2009–2011, he served as a consultant during the establishment of the Asia Forest Cooperation Organization (AFoCO).

Dr. Teplyakov has participated in IUFRO activities since 1998. He was Deputy Coordinator of WP S4.01.11 (1991–1995), Deputy Coordinator of Division 4 and representative of Russia on the IUFRO IC (1996–2000), General Board Member (2001–2010), Deputy Coordinator (2011–2014) and then member of IUFRO unit 9.05.00. He was a co-organizer of IUFRO conferences (1994, 1996) and IUFRO MC meeting (2003) in Russia, and co-founder of the Associations of Russian Organizations–Members of IUFRO (1999–2000). He initiated the cooperation agreement between IUFRO and IUCN (2005) and the establishment of a new IUFRO TF on Illegal Logging (2006–2010). He co-authored many papers about and published by IUFRO, e.g., “Keep Asia Green” (2007–2009). In 2003, he received the IUFRO Certificate of Appreciation.

Selected research sources:

1. The seedlings and saplings distribution in naturally regenerated taiga forests. In: *Conf. on Forest Statistics*, D.R. Pelz, ed. Univ. of Freiburg and IUFRO S6.02. Sept. 13–15, Freiburg, Germany, p. 65–72. 1989.
2. *Ecological Information Systems and Forest Management*. VNIITsLesresurs, №4. 24 p. (in Russian). 1994.
3. *Russian Forests in Anthropocene: Essays on the History of Peoples and Forests of European Russia for 25 ... 30 Thousand Years*. Moscow, Stagirit–M, 400 p. (with V.P. Tarasenko). (in Russian). 2003.
4. The Power of the Past. *Silva Carelica*, 46: 17–40. 2004.

SHALAEV, Valentin Sergeevich



Valentin Sergeevich Shalaev received the IUFRO Distinguished Service Award in 2018 in recognition of his great contributions to IUFRO over a long period of time.

Valentin Shalaev was born on 1 December 1944 in Baku, the USSR. He has linked his education and entire professional career with Moscow Forest Technical Institute (MFTI, since 1993 – Moscow State Forest University, MSFU, and since 2013 – Mytishchy Branch of Bauman Moscow State Technical University, MB BMSTU). He earned his Diploma (1968) and Ph.D. (1984) in Wood Technology at MFTI, and D.Sc. in Wood Technology (1995) at MSFU. At the Department of Sawmill Technology on this institution, he progressed from a Junior (1969–1970) to Senior (1973–1981) and Chief (since 2012) Researcher. In parallel, he has been teaching various courses as Assistant (1970), Associate (1973) and full (since 2002) Professor of Wood Technology. He has also served as Director of the Scientific Department (1981–1995), Director of the Institute of System Forest Research (since 1994), Dean of the Faculty for Advanced Training (1995–2002) and Vice-Rector for International Affairs (2002–2012).

Dr. Shalaev's research interests have been in sawmill technology, equipment, methods and technologies of forest ecosystem research, research organization, history and trends in forest education and research. He has authored and co-authored more than 450 scientific and technical papers, including more than 50 published in international journals and about 150 educational publications as well as numerous presentations at scientific fora, e.g., IUFRO and FAO World Congresses and EFI Conferences. He holds 65 registered patents for inventions. He has served as a member of scientific and editorial boards, e.g., the MSFU *Forest Bulletin* (2002–2013) and the *Encyclopedia of Forestry, Russia* (2006), *Innovations in Woodworking and Engineering Design; Management and Sustainable Development*, Bulgaria (since 2012) and proceedings of the TEMPUS-JPHES-No 516796 (2013–2014). Dr. Shalaev is a member of many societies and organizations, including the Society of American Foresters (1993) and the Society of Wood Science and Technology, USA (1995), International Higher Education Academy of Sciences, Russia (1998), and holds Honorary Membership in the Association of Forestry and Woodworking Enterprises of Mongolia (2005). In addition, he has served as a member of Public Councils at the Russian Federal Forest Service (1997–2000) and the Ministry of Education of the Russian Federation (2000–2005), and Executive Director of the Russian Scientific-Educational Association of Forest Complex (2005–2012).

Since 1986, Dr. Shalaev has participated in all IUFRO World Congresses. He encouraged the MFTI to join IUFRO (1987–1989), became co-founder (1999–2000) and Coordinator of the Association of Russian Organizations–Members of IUFRO and moderator of the “IUFRO in RUSSIA” web site (2001–2012). He has co-organized a IUFRO MC meeting in Russia (2003), initiated the establishment of a new IUFRO WG on Intercultural communications in the forest community (2004–2005), moderated the development of GFIS–Russia (2005–2012). He has represented Russia on the IUFRO IC (since 2006). He has co-authored many papers about IUFRO and a book “A History of IUFRO Congresses, Forest Research and Russia's Participation” (2017) that is a translation of the 2nd Russian edition in two volumes (2015, 1st ed. in 2014). In 2009, he received the IUFRO Certificate of Appreciation for his excellent contributions in promoting activities in Russia and his dedication to GFIS–Russia.

Selected research sources:

1. *Technology of Sawmill and Woodworking Industries: A manual for students*. Moscow, MGUL. 225 p. (with S.N. Rykunin, Yu.P. Tyukina) (in Russian). 2003.
2. *Biological Productivity and Carbon Budget of Larch Forests of Northern-East Russia*. Moscow. 296 p. (with D.G. Schepaschenko and A.Z. Shvidenko). 2008.

Personal sources:

1. Who is who in Russia. 6th ed. *Encyclopedia of the person*. The Hubner series. 2984 pp. 2012.
2. Shalaev V.S. Personal communications (June 2019) at shalaev@mgul.ac.ru

STANTURF, John Alvin IV



John Alvin Stanturf IV received the IUFRO Distinguished Service Award in 2018 in recognition of his outstanding and valuable service to IUFRO as officeholder in Division 1 and inter-divisional achievements including research coordination, training, and publications in forest landscape restoration.

John Stanturf was born on 16 February 1948 in Monterey, California, USA. He earned his B.Sc. in Plant and Soil Science at Montana State University (1974), and M.Sc. and Ph.D. in Forest Soils at Cornell University (1979, 1983). Following a Lady Davis Post-Doctoral Fellowship year at the Faculty of Agriculture Engineering, Technion, Haifa Israel, he started his career as a research forester with Hammermill Paper Company, Warren, Pennsylvania. In 1985 he was appointed Assistant Professor of Soils, University of Pittsburgh at Bradford. In 1989 he joined the Pennsylvania State University as a Senior Researcher. In 1990 he moved to Savannah, Georgia as Manager, Pine Silviculture Research, Union Camp Corporation. From 1992 until his retirement in 2018, Dr. Stanturf was Senior Scientist and Project Leader at the US Forest Service in Mississippi and Georgia. In parallel, he was Adjunct Professor of Forestry at Mississippi State and Auburn universities (1994–2017). Since 2018, Dr. Stanturf has been a Visiting Professor at the Institute of Forestry and Rural Engineering, Estonian University of Life Sciences and Senior Researcher, InNovaSilva ApS, Vejle, Denmark.

Dr. Stanturf's research interests are in forest sciences, biosciences and environment, particularly in silviculture, disturbance ecology, restoration ecology, and bioenergy. Dr. Stanturf is an internationally recognized specialist on forest landscape restoration. He has conducted research in Africa, Asia, Europe and the Americas. He has authored and co-authored 190 research papers, book chapters, books, and reports as well as edited books and proceedings. He has been organizer and co-organizer of numerous research seminars, workshops, conferences and symposia. He has served on the editorial board of several journals.

Dr. Stanturf received numerous honours and awards, including the Delta Council Achievement Award for Hardwood Forestry (1997) and Ducks Unlimited Taking Wing Awards (1997, 1999). The US Forest Service distinguished him with the Civil Rights Award (2002), various Director's Awards (two in 2006 and two in 2011), and the highest level – Chief's Honor Award for Distinguished Science (2016). Dr. Stanturf holds a *Doctor Honoris causa* from the Estonian University of Life Sciences (2011).

Dr. Stanturf has vigorously participated in IUFRO activities, from his first congress in Montreal in 1990. During 2005–2010 he was Leader of RG 1.01.00, Deputy Leader of IUFRO RG 1.05.00, and Interdivisional Coordinator on Forest Landscape Restoration. From 2010 to 2019, he served as a Leader of RG 1.05.00, Deputy Leader of RG 1.01.00 and WP 1.01.12. Since 2015 he has been Deputy Coordinator of the Task Force on Forest Adaptation and Restoration under Global Change. He has been a member of the Society of American Foresters since 1977.

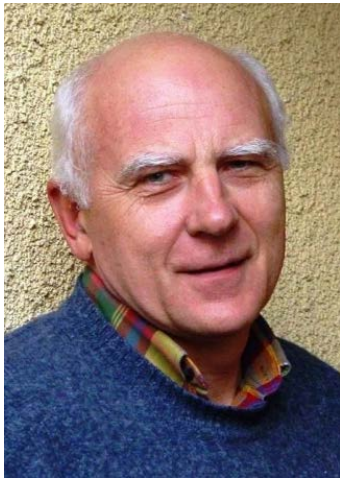
Selected research sources:

1. Achieving restoration success: myths in bottomland hardwood forests. *Restoration Ecol.* 9 (2): 189–200. (with S.H. Schoenholtz, C.J. Schweitzer and J.P. Shepard). 2001.
2. Contemporary forest restoration: A review emphasizing function. *Forest Ecol. Mgmt.* 331: 292–323. (with B.J. Palik and R.K. Dumroese). 2014.
3. *Restoration of Boreal and Temperate Forests*. J. Stanturf, ed. 2nd ed. CRC Press. 561 p. 2015.

Personal sources:

Stanturf J.A. Personal communications (October 2019) at drdirt48@gmail.com

PASCHALIS–JAKUBOWICZ, Piotr



Piotr Paschalis-Jakubowicz received the IUFRO DSA in 2018 for his outstanding services to IUFRO for almost 30 years, being a General Board Member (2005–2014) and chairing the IUFRO Task Force on Education in Forest Science.

Piotr Paschalis-Jakubowicz was born on 25 January 1947 in Wola Bykowska, Poland. He graduated from Warsaw Agricultural University (SGGW) as a Forest Engineer (in 1969) and obtained his Ph.D. in Forestry sciences (in 1976) at the Faculty of Forestry of Warsaw University of Life Sciences and habilitated at the same University (in 1986). He began his professional career as scientific assistant at the Forest Institute at SGGW. As a Director of the GEF Grant Office he managed the WB Program for the Protection of Forest Biodiversity in Poland (1990–1993). In 1994 he became a Professor of Forestry Sciences, and since 1998 he has been a full Professor and Head of the Department (1997–2017) of Forest Utilization at the (Faculty of Forestry, Warsaw University of Life Sciences, SGGW). Professor

Paschalis-Jakubowicz has been involved in forest education internationally. He was part a team that founded the Faculty of Forest and Pasture Areas and for this Faculty developed a full forest study program during his work at the University of Tripoli (1980–1983). He has been a visiting scholar and Professor at leading universities in Europe, America, Asia, Africa, Australia and New Zealand.

Professor Paschalis-Jakubowicz's research interests focus on theoretical research on the basis of the assessment of utility functions performed by forests in various regions and climatic zones of the world, forest policy and practice of forest resource use, international agreements regarding forest use and protection, climate change, and global biodiversity. He has authored and co-authored about 400 publications, including over 200 scientific articles and 8 books as well as undertaking several hundred reviews for foreign and domestic publications.

Professor Paschalis-Jakubowicz was elected President of the Union of European Foresters (1998–2005), and from 2003 to 2014, served on various positions at the MCPFE. He was involved in many international research programs, e.g., the 5th and 6th Framework Programs of the EU, Scientific Research Committee, EFORWOOD and COST. He was Chairman of the Committee on Forest Sciences at the Polish Academy of Sciences (1999–2007). For his outstanding achievements in the field of forestry sciences, he received the Award of the Prime Minister of the Republic of Poland (2017).

Since 1995 Professor Paschalis-Jakubowicz participated in IUFRO activities as a Deputy Coordinator (1995–2000) and Coordinator of IUFRO RG 3.10.00 Harvesting, Wood Delivery, and Utilization (2000–2014), as IUFRO Board member (2005–2014), as Chairman of the IUFRO Scientific Publishing Committee (2008–2009), Coordinator of IUFRO TF on Education in Forest Sciences (2010–2014) as well as long-term representative of Poland to the IUFRO International Council, also being Chairman of the Polish National Committee for IUFRO (1991–2006; 2010–2019). He has organized and chaired many sessions at IUFRO events in many countries. He received the IUFRO Certificate of Appreciation for his excellent organization of the IUFRO European Congress in Warsaw, Poland (September 2007).

Selected research sources:

1. *Model of Forest Utilisation for Certain Selected Countries of North Africa*. Warsaw, Warsaw Agricultural University Press. 60 p. 1986.
2. *Lasy i leśnictwo świata*. Centrum Inform. Lasów Państwowych. 550 p. [World forests and forestry]. 2015.

Personal sources:

Paschalis-Jakubowicz P. Personal communications (November 2019) at Piotr.Paschalis@wl.sggw.pl

CARNUS, Jean-Michel



Jean-Michel Carnus received the IUFRO Distinguished Service Award in 2018 in recognition of his outstanding and valuable service to IUFRO and his role in enhancing the international cooperation in forest environment and ecology.

Jean-Michel Carnus was born on 22 December 1955 in Bordeaux, France. He earned his Baccalaureate C (Science) with first class honours (1973), Engineer Degree at *Ecole Polytechnique* in Paris (1978) and Doctorate Degree in Water Management at the ENGREF – National School of Rural Engineering, Water and Forestry (1980) in France. In 1981, Dr. Carnus began his career as a Rural Development Engineer in New Caledonia and from 1985 as Deputy Director of the Agriculture and Forestry Direction (*Department of Landes*), France. He then served as Research Engineer at the New Zealand Forest Research Institute, Rotorua (1993-1998). In 1999, he was appointed Director of Forest Research Unit at INRA (French National Institute for Agricultural Research) in Aquitaine, and since 2014, he served as Coordinator for the EU & International Cooperation at the INRA's Ecology Department. Since his retirement in 2018, Dr. Carnus has served as INRA representative in Oceania.

Dr. Carnus is an expert in forest environment and ecology, soils and water management, sustainable management of planted forests, and forest research. In these and related areas he authored and co-authored 250 scientific papers, book chapters, books, reports and edited proceedings. He served as advisor, member, coordinator and chair of various national and EU funded research projects and networks including COST-FPS, EFI ATLANTIC, the 7 FP international exchange programme TRANZFOR, the EU SCAR FOREST Group on Forest & Forestry Research and Innovation and many others. He was awarded a gold medal by the French Academy of Agriculture in 2017.

Dr. Carnus has been involved in IUFRO activities since mid-1990s. He served as Coordinator of RG 8.02 Forest Biodiversity (2005–2010), and Deputy Coordinator (2004–2010) and Coordinator (2010–2017) of Division 8 Forest Environment. He was a Member of CSCs for 2005 and 2014 IUFRO World Congress and 2017 IUFRO Anniversary Congress. In 2014–2017, he also served as a Member of the TF on Sustainable Planted Forests and TF on Forest, Soil and Water Interactions. He organized, co-organized and chaired several scientific symposia held also together with various international organizations such as IUSS, WWF, FAO in France (2004, 2005, 2013), Canada (2008), Ireland (2012), Portugal (2013), China (2015, 2018), and All Division 8 Conference as part of IUFRO Regional Congress for Asia and Oceania in Beijing, China (2016). For over 15 years, he was a member of IUFRO Board and Enlarged Board.

Selected research sources:

1. *Forest soils under global and local changes*. J-M. Carnus and C. Orazio, eds. Proceedings of IUFRO-IUSS International Symposium, Bordeaux. IEFCA, 190 p. 2004.
2. The sustainable management and protection of forests: analysis of the current position globally. *AMBIO*, 37(4): 254–262. (with P. Freer-Smith). 2008.
3. *Sustainability Impact Assessment of Forest Management Alternatives in Europe*. G. M. Hengeveld, W. Mason, and J-M. Carnus, eds. Ecology and Society, Special Issue, 2012.
4. *Forêts d'hier et de demain: 50 ans de recherches en Aquitaine*. M. Arbez, J-M. Carnus and A. Kremer. Presses Universitaires de Bordeaux, 250 p. [Forests of Yesterday and Tomorrow: 50 years of research in Aquitaine]. 2018.

Personal sources:

Carnus J-M. Personal communications (February 2020) at jmicarnus@gmail.com

VANCLAY, Jerome (Jerry) Klaas



Jerome Klaas Vanclay received the IUFRO Distinguished Service Award in 2019 for his leadership as Chair of the XXIV IUFRO World Congress Scientific Committee.

Jerry Vanclay was born on 20 June 1956 in Wageningen, Netherlands. He earned his B.Sc. in Forestry with first class honours from the Australian National University (1977), his Postgraduate Diploma in Computer Science (1980), B.A. with a major in Statistics (1984), and a higher doctorate in Forestry (D.Sc.For.) from the University of Queensland (1992). He also completed a M.Sc. in Forestry at Oxford University (1983). After graduation, he began work as an officer at the Queensland Department of Forestry working on resource estimation and modelling (1978–1991). Dr. Vanclay has then appointed as Professor of Tropical Forestry at Royal Veterinary and Agricultural University in Copenhagen, Denmark (1991–1994), Principal Scientist at CIFOR, Indonesia (1995–1999), and since 1999 as Professor of Sustainable Forestry at Southern Cross University (SCU) in Lismore, New South Wales, Australia. Professor Vanclay has also served as Dean of Science (2011–2019), and Head of SCU's School of Environment, Science and Engineering (2017–2019).

Professor Vanclay has wide-ranging research interests, and has published numerous papers on biodiversity, biomass, forest growth, modelling, rainforests, mixed plantings, tree breeding, site productivity, sustainability, wood properties and many others including several myth-busting papers on private native forestry, on faunal richness, and on timber harvesting. He has written over 400 publications, with more than 180 in refereed journals, such as *Science*, *Scientometrics*, *Forest Ecology and Management*, *Conservation Ecology*, *Journal of Wood Science*, and *Forest Ecology and Management*.

Professor Vanclay has made substantial contributions to the extension and promotion of science, research and education in Australia, Zimbabwe, the Philippines, Denmark, and Ghana. He has a long-term record of service in IUFRO as a Leader of Working Party S4.02.03 (1991–1995), Deputy Coordinator of IUFRO unit 4.02 and Coordinator of IUFRO unit 1.07.00 (1996–2000), Deputy Coordinator of Division 1 Silviculture (2001–2005), and Deputy Coordinator of Division 4 Forest Assessment, Modelling and Management (2011–2019). He has also served as a representative of Australia on the International Council, Coordinator of TF Foresight for Forest Sector Planning (2014–2019), member of IUFRO Board and IUFRO Enlarged Board (2001–2019), and Chair of Congress Science Committee (CSC) for the XXV IUFRO World Congress in Curitiba, Brazil (2014–2019). He has also served as co-editor of proceedings of IUFRO conferences and meetings.

Professor Vanclay was elected a Fellow of the Royal Society of NSW (2014), and a Fellow of the Institute of Foresters of Australia (2015). He received the Queen's Award for Forestry in 1997, and IUFRO SAA (2010).

Selected research sources:

1. *Modelling Forest Growth and Yield: Applications to Mixed Tropical Forests*. CAB International, Wallingford, U.K. 330 p. 1994.
2. The effectiveness of parks. *Science* 293: 1007. 2001.
3. *Realizing Community Futures: A practical guide to harnessing Natural Resources*. Earthscan/Routledge, London, U.K. 162 p. (with R. Prabhu & F. Sinclair). 2006.
4. *Forest Growth and Yield Modeling*. Wiley. 428 p. (with A.R. Weiskittel, D.W. Hann & J.A. Kershaw). 2011.

Personal sources:

Vanclay J.K. Personal communications (October 2019) at jerry.vanclay@scu.edu.au

de OLIVEIRA, Yeda Maria Malheiros



Yeda Maria Malheiros de Oliveira received the IUFRO Distinguished Service Award in 2019 in recognition of her outstanding and valuable service to IUFRO.

Yeda de Oliveira was born on 18 August 1952 in Curitiba, Brazil. She earned her Forest Engineering (1975) and M.Sc. (1980) degrees in Forest Engineering at the *Universidade Federal do Paraná* (Federal University of Paraná - UFPR), Brazil, and her Ph.D. in Forest Sciences at the University of Oxford, UK (2000). After an internship as a Cartographer at UFPR (1976–1977), in 1978 she began her professional career as a Forester and a Researcher at *Embrapa Florestas* (Embrapa Forestry) – Brazilian Agricultural Research Corporation, where she works until now.

Dr. de Oliveira's research has focused on forest engineering, forest resources monitoring, forest inventory, forest management and planning, remote sensing, growth and production including simulation and landscape scale spatial survey, analysis and practical implementation as well as on natural and planted forests fieldwork, and agroforestry as a productive alternative for small farmers, sustainable development and national and international cooperation. She has authored and co-authored more than 200 research papers, book chapters, manuals and technical reports.

Dr. de Oliveira is a member of the Sectoral Chamber of Planted Forests of the Brazilian Ministry of Agriculture, Livestock and Supply, is part of the team of the National Forest Inventory and is involved in promoting SDGs in the Embrapa's agenda. She has been involved and played a major role in the organization of several national and international technical and research events, seminars, workshops and conferences including four National Symposia on Forest Inventory in Brazil. She has participated also in UN FAO activities (Brazilian Delegate at UNFF meetings) and in more than 20 years of cooperation between the Brazilian Forest Service and FAO on the development of national programs. Her achievements during her long-term service for Embrapa were recognized with Awards for Excellence (1995, 2004, and 2010) and the "Women of Science" trophy in 2009, from the Government of the State of Paraná. In June of 2019, she received the "ANDEF-CropLife Brazil" award for Innovation and Sustainability in Agriculture, as the "Person of the Year".

Dr. de Oliveira served as COC Co-Chair (2014–2019) of the XXV IUFRO World Congress held in Brazil. Embrapa Forestry was the main partner of the Brazilian Forest Service (SFB) involved as host institution of the XXV IUFRO World Congress 2019.

Selected research sources:

1. Monitoring forest cover and deforestation. Chapter 7, pp. 186–216. *Handbook on Remote Sensing for Agricultural Statistics*. GSARS Handbook, Rome. (with F. Achard and Danilo Mollicone). 2017.
2. Brazilian National Forest Inventory: a landscape scale approach to monitoring and assessing forested landscapes, 2018. <https://pdfs.semanticscholar.org/9c61/9e4ee00d7f9d110ce342d63e141a0ef86c2d.pdf>
3. SDG 15 - Life on land: contributions of Embrapa. GF VILELA, MP de M BENTES, YMM de OLIVEIRA, DKS MARQUES, JCB SILVA, 2019. <https://www.alice.cnptia.embrapa.br/bitstream/doc/1112481/1/SDG15.pdf>

Personal sources:

1. URL: <https://www.escavador.com/sobre/3760408/yeda-maria-malheiros-de-oliveira> Retrieved 08.10.2019.
2. de Oliveira Y.M.M. Personal communications (January 2020) at yeda.oliveira@embrapa.br

de FREITAS, Joberto Veloso



Joberto Veloso de Freitas received the IUFRO Distinguished Service Award in 2019 in recognition of his outstanding and valuable service to IUFRO.

Joberto Veloso de Freitas was born on 23 November 1961 in Ipatinga, Minas Gerais, Brazil. He started his undergraduate at the *Universidade Federal do Amazonas* (UFAM, Federal University of Amazonas) in Manaus and earned his degree in Forest Engineering at the Federal University of Paraná (1987), in Curitiba. He then returned to Manaus and obtained his M.Sc. in Sciences of Tropical Forests at the *Instituto Nacional de Pesquisas da Amazônia* (National Research Institute of Amazonia). He obtained his Ph.D. in Forestry at the University of Aberdeen, Scotland, UK (2000–2004).

Dr. Freitas began his professional career in 1990 as a UFAM Professor of the Faculty of Agricultural Sciences teaching courses in Forest Resources, focusing on Forest Inventory and Forest Management in Amazon region. In 2004, he was assigned to the Ministry of Environment, joining the National Forest Program (NFP) as Manager for Sustainable use of Forest Resources, contributing to the creation of the Brazilian Forest Service (2006), where later in 2011 he became its Director of Research and Forest Information.

His work in the Brazilian Forest Service at national level is related to the leadership of the National Forest Inventory and the National Forest Information System. He is also actively involved in international processes and projects. As National Correspondent of the Global Forest Resource Assessment, he participated in FRA–2005, 2010, 2015 and 2020, acting as Co-Chair of the FAO Advisory Group for FRA (2012–2020). He also participated in projects and events in Latin America in partnership with ACTO (Amazon Cooperation Treaty Organization), ITTO and CATIE as a member of the Ibero-American Model Forest Network (RIABM) board of Directors.

Dr. Freitas is Coordinator of IUFRO unit 1.02.02 Ecology and Silviculture of Moist Forests in the Tropics (since 2014), and was Chair of the XXV IUFRO World Congress Organizing Committee (Curitiba, Brazil, 2019). He was also a member of IUFRO Board and IUFRO Enlarged Board (2014–2019).

Selected research sources:

1. Applying ecological knowledge to decisions about seed tree retention in selective logging in tropical forests. *Forest Ecology and Management* 256: 1434–1442 (with Michelle A. Pinard). 2008.
2. Development of the National Forest Inventory of Brazil. In: E. Tomppo, T. Gschwantner, M. Lawrence, R.E. McRoberts, eds. *National Forest Inventories: Pathways for Common Reporting*. Springer, London, pp. 89–95. (multi-authored). 2010.
3. Design considerations for tropical forest inventories. *Brazilian Journal of Forestry Research* 33 (with R.E. McRoberts, E. Tomppo, A.C. Vibrans). 2013.
4. Dynamics of global forest area: Results from the FAO Global Forest Resources Assessment 2015. *Forest Ecology and Management* 352: 9–20. (with Rodney Keenan and others). 2015.

Personal sources:

1. URL: <https://www.escavador.com/sobre/6041448/joberto-veloso-de-freitas> Retrieved 07.10.2019
2. de Freitas J.V. Personal communication (February 2020) at joberto.freitas@florestal.gov.br

SUZUKI, Kazuo



Kazuo Suzuki received the IUFRO Distinguished Service Award in 2022 in recognition of his outstanding services to IUFRO.

Kazuo Suzuki [鈴木和夫] was born on 15 September 1944 in Mito, Ibaraki, Japan. After finishing school, he obtained his B.S. (1968) and Ph.D. (1973) degrees in Agriculture from the Faculty of Agriculture, University of Tokyo, for his thesis entitled “Studies on the susceptibility to poplar leaf rust influenced by different nutrient conditions”.

Dr. Suzuki began his professional career in 1974 as a Research Scientist at the Forestry and Forest Products Research Institute (FFPRI) in Tsukuba, Japan. From 1983 to 2005, his research, teaching and public activities were tightly connected with the Faculty of Agriculture of the University of Tokyo, where he worked as an Associate Professor (1983–1988) and Professor (1989–2004) of Mycology and Forest Pathology and became a Professor Emeritus in 2005. At the University of Tokyo, Professor Suzuki served as Presidential Aide (1995–1996) and Councilor (2003–2005). From 1984–1985 Professor Suzuki was a Visiting Professor at the University of Alberta in Edmonton, Canada. After leaving the University of Tokyo, Professor Kazuo Suzuki became a Professor at the Nihon University in Fujisawa (2005–2007) and then served as President of FFPRI in Tsukuba (2007–2015).

Professor Suzuki has authored and co-authored over 1,000 publications, including over 20 books, textbooks and manuals, and over 600 scientific papers. He is a long-term member of the Tree Health Research Society, Japan, and served as its President from 1997–2001, and the Japanese Forest Society, where he served as President from 2002–2004. For more than ten years he was a member of the Science Council of Japan (2000–2011).

Professor Suzuki greatly contributed to the activities of IUFRO. From 1991 to 2003, he coordinated the BIO-REFOR (Biotechnology Assisted Reforestation) project jointly run by IUFRO-SPDC with financial support from the Japanese Ministry of Foreign Affairs and strong technical support from IUFRO-JAPAN. Within this project, he organized, on an annual basis, a series of workshops in the Asia-Pacific region (Indonesia, Japan, Malaysia, Thailand, Philippines) as well as in Nepal, Australia, Finland and other countries. Professor Suzuki served in various positions in the IUFRO-Japan Secretariat since 1991, and greatly contributed to its achievements as its chairman (2007–2014). Furthermore, he was Deputy Coordinator (1996–2000) and Coordinator (2000–2005) of IUFRO Division 7 Forest Health, and thus also became a member of the IUFRO Board (2000–2005). Professor Suzuki received an IUFRO Certificate of Appreciation (2006) for his dedicated and excellent work as Coordinator of IUFRO Division 7 “Forest Health” in the Board period 2001–2005.

Selected research sources:

1. Water relations in trees and responses to infection. In: R. A. Blanchette, A. R. Biggs eds., *Defense mechanisms of woody plants against fungi*. Springer-Verlag, 1992, pp. 391–404.
2. Pine wilt and the pine wood nematode. In: J. Burley *et al.* eds., *Encyclopedia of Forest Sciences*, Elsevier, 2004, pp., 773–777.
3. *Plantation Technology in Tropical Forest Science*. K. Suzuki, K. Ishii, S. Sakurai, S. Sasaki, eds. Springer Tokyo, 2005. IX, 292 p.

Personal sources:

Suzuki K. Personal communications (March 2023) at ksuz@w9.dion.ne.jp

PAULE, Ladislav



Ladislav Paule received the IUFRO Distinguished Service Award in 2022 for his outstanding and valuable services to IUFRO.

Ladislav Paule was born on 13 January 1947 in Doľany, Slovakia. After finishing Secondary Technical School of Forestry in Liptovský Hrádok (1964), he graduated from the Faculty of Forestry, University of Forestry and Wood Technology in Zvolen (1969). In 1980, Ladislav Paule obtained his Ph.D. after defending his thesis “Structure of spruce-beech mixed forest stands”.

For almost 50 years, Ladislav Paule consecutively held the following positions at the Department of Silviculture of his *alma mater*: Assistant Professor of Silviculture (1969), Assistant Professor (1977), Associate Professor (1987) and Professor (1991–2017) of Forest Genetics and Tree Breeding. From 1990–1991, Professor Paule served as Vice-Rector for International Relations of the Technical University in Zvolen, and as Head of Department of Phytology of the Faculty of Forestry (1996–2012). He was a Guest Researcher in Sweden (*Sveriges Lantbruksuniversitet*, 1989), a Visiting Professor in Switzerland (ETH Zürich, 1992) and in Poland (WSZŚ Tuchola, 2016–2018), and in 2018, he became a Professor Emeritus of the Technical University in Zvolen. In the course of his professional career, Professor Paule authored and co-authored over 400 publications including 17 books, 11 textbooks and manuals, and over 200 scientific articles in domestic and international journals.

Professor Ladislav Paule was involved in the activities of several scientific societies, e.g., as a member of the Slovak Botanical Society and the Slovak Academy of Agricultural Sciences. He also served as a member of various Scientific Councils and Advisory Boards of universities and research institutes in Slovakia, Russia and Poland. From 1992–2005, he was the Deputy of Slovakia in EUFORGEN and chaired two Networks. Professor Paule is a founder and served as Editor-in-Chief of the international journal *Forest Genetics* (1994–2014) and was a member of editorial boards and a reviewer of scientific journals in Slovakia and abroad. Professor Paule was elected Honorary Member of the Ukrainian Academy of Forestry (2010) and the Romanian Academy of Agricultural and Forestry Sciences (2012), Professor *honoris causa* of Transylvania University in Braşov (2008) and received the Prize for Forestry from the Technical University of Zvolen (2017).

Professor Paule’s active participation in IUFRO started in 1980. He became a Deputy Coordinator and Coordinator of the IUFRO Unit 2.02.11, and then served as Deputy Coordinator of the Units 2.04.04 and 2.04.00, Coordinator of the IUFRO Unit 1.10.00, Deputy Coordinator (1996–2000) and Coordinator (2001–2005) of Division 2 Physiology and Genetics, and, thus, he became a member of the IUFRO Extended Executive Board (1996–2005). He also was the representative for Czechoslovakia (1990–1993) and Slovakia (1993–2005) at the IUFRO International Council. In 2006, Professor Ladislav Paule received a Certificate of Appreciation from IUFRO for his dedicated and excellent services.

Selected research sources:

1. Gene conservation in European beech (*Fagus sylvatica* L.). *Forest Genetics*, 1995, 2(3):161–170.
2. A new scenario for the Quaternary history of European beech populations: palaeobotanical evidence and genetic consequences. *New Phytologist*, 2006, 171(1):199–221. (in co-authorship)
3. *Genetika a šľachtenie lesných drevín* Genetics and Forest Tree Breeding. Príroda, Bratislava, 1992.

Personal sources:

1. Delegan I.V., Melnik P.G. Outstanding researcher of the genetic diversity of European forest tree species (on the 65th birthday of Prof. Ladislav Paule). *Forestry Bulletin*, 2012, 1: 184–188. (in Russian).
2. Paule L. Personal communications (March 2023) at paule@tuzvo.sk

PRÜLLER, Renate



Renate Prüller received the IUFRO Distinguished Service Award in 2022 for her substantial contributions in the field of multilingual forest terminology management, and for providing strategic support to IUFRO.

Renate Prüller was born on 28 February 1958 in Vienna, Austria. Renate Prüller studied French and Spanish at the Translation and Interpretation Department of the University of Vienna and graduated with a Magister's degree and diploma in translation (1984).

In 1980–1981, she spent an education term in Paris at the *Ecole Supérieure d'Interprètes et de Traducteurs* (E.S.I.T. – College of Interpreters and Translators). From 1990–1991, she continued her education in theory and practice of terminology at the Postgraduate Studies department of the University of Vienna, under the supervision of Professor Dr. Gerhard Budin. In addition, she participated in a 2-month terminology training in Ottawa, Canada, at the Department of the Secretary of State, Terminology and Linguistic Services (1992). During her studies, Renate Prüller collaborated with the press center of the Austrian Broadcasting Corporation (ORF) (1980–1985), and after graduation, she worked as a translator and interpreter for French and German in the Tunisian Embassy in Vienna (1984–1989).

Renate Prüller started to work for the International Union of Forest Research Organizations in 1989. She began as an assistant to the SPDC Coordinator (1989) and continued as a translator for French and Spanish for the SPDC and the IUFRO Secretariat (1990). In 1991 she got involved in terminology projects, e.g., at the International Center on Terminology Research (Infoterm). Having gained valuable experience in this area, Renate Prüller was able to set up and run a pilot project on multilingual forest terminology at the IUFRO Secretariat (1995–1996). She then continued working on this topic as Coordinator of the IUFRO SilvaVoc Project on multilingual forest terminology (1996–2006). From 2019 until now, she has served as Coordinator of IUFRO Working Party 4.04.03 SilvaPlan: Forest Management Planning Terminology.

Under Renate Prüller's leadership, a forest terminology library was built up along with an infrastructure for editorial work and peer-to-peer discussion to ensure continuity in forestry terminology work, and the SilvaTerm forest terminology database was developed for handling multilingual forest-related data such as concepts, terms and definitions. As an IUFRO Officeholder, Renate Prüller participated in several collaborative terminology projects, including Harmonizing Forest-Related Definitions for Use by Various Stakeholders (FAO); Wildlife-Management Terms and Definitions (CPW); multilingual glossary on carbon-related forest terminology and others. As Coordinator of the SilvaVoc project she became a member of the Enlarged Board of IUFRO in 2000. She organized several sessions and made various contributions on terminology issues at five IUFRO World Congresses (2000–2019). From 2006–2020, she was IUFRO content editor and senior officer at IUFRO HQ, providing strategic assistance to the Executive Director, IUFRO International Council (IC), and IUFRO Management Committee.

Selected research sources:

1. Challenges and strategies in forest education and research in Austria with special focus on the role of terminology worldwide / *Forest Science and Technology*, December 2005, 1(2):91–97.
2. SilvaTerm terminology database. Available from IUFRO website.
<https://www.iufro.org/science/special/silvavoc/silvaterm/query-silvaterm-database/>
3. The Concept of Urban Forestry in Europe. In: *Urban Forests and Trees*. Springer, 2005, pp. 9–21. (with T.B. Randrup, C. Konijnendijk, M. Kaennel Dobbertin).

Personal sources:

Prüller, R. Personal communications (March 2023) at prueller@gmx.at

MIKKOLA, Eero



Eero Mikkola received the IUFRO Distinguished Service Award in 2022 in recognition of his outstanding services to IUFRO.

Eero Mikkola was born on 12 May 1964 in Valkeakoski, Finland. After finishing high school in Kerava in 1983, he graduated with a M.Sc. in Forestry from the University of Helsinki (1990).

In 1990, he began his professional career at the Finnish Forest Research Institute (Metla, *Metsäntutkimuslaitos*) as a researcher in the forest statistics unit, where he became Head of Statistics in 1996. In 1999, the European Commission's Eurostat Office in Luxembourg invited Eero Mikkola as a forest sector and statistics expert. There, he gained valuable experience in the organization of forest statistics at the continental level. In July 2001 he returned to Metla as Head of the Helsinki research unit.

In 2004, Eero Mikkola started to work in Vienna, Austria, as Coordinator of the Global Forest Information Service (GFIS), an IUFRO-led initiative of the Collaborative Partnership on Forests (CPF). For more than a decade, he split his working time between the coordination of GFIS for IUFRO (2006–2017) and various coordinating positions at Metla. He was responsible for the coordination and development of interest groups and customer cooperation (2006–2014), and for research data searching services (2009–2014). In early 2014 he became a member of the service and customer development team at the Natural Resources Institute Finland (Luke – *Luonnonvarakeskus*).

Since 2017, Eero Mikkola has worked at Luke as Senior Specialist and Senior Customer Manager responsible for the sales and stakeholder cooperation of Luke's forest sector customer and partnership projects.

With more than 15 years of most successful coordination of GFIS, Eero Mikkola made an important contribution to facilitating knowledge sharing and fostering partnerships between knowledge producers and users in the fields of forest science and forestry around the world, and thus, he also contributed significantly to furthering the aims of IUFRO. Under Eero Mikkola's leadership, GFIS quickly became the primary Internet gateway to forest information resources from around the world. Eero Mikkola and the team of the GFIS-IUFRO Management Unit established by him successfully ensured the further technical development of the service and succeeded in significantly expanding the number of GFIS partners to over 400 expert institutions and universities in all regions of the world. As an IUFRO Officeholder he participated in many IUFRO World and Regional Congresses and other major events, where he organized GFIS workshops and offered trainings (<https://www.iufro.org/science/gfis/>).

Selected research sources:

1. State of forest research in 2010s – a bibliographic study with special reference to Finland, Sweden and Austria. *Scandinavian Journal of Forest Research*. R. Päivinen, G. Petrokofsky, W. J. Harvey, L. Petrokofsky, P. Puttonen, J. Kangas, E. Mikkola, L. Byholm & L. Käär. 2023.
2. Towards A European Forest Information System Series: European Forest Institute Research Reports, Volume: 20. A. Schuck, T. Green, G. Andrienko, N. Andrienko, A. Fedorec, A. Requardt, T. Richards, R. Mills, E. Mikkola, R. Päivinen, M. Köhl, J. San-Miguel-Ayanz. 2007.
3. FORNIS: Building an Online Network of Forestry Information of sub-Saharan Africa. *The International Forestry Review*, Vol. 12(5) (with S. B. Acquah, M. Kleine, R. McCracken). 2010.

Personal sources:

Mikkola E. Personal communications (March 2023) at Eero.Mikkola@luke.fi

PATEK, Maria



Maria Patek received the IUFRO Distinguished Service Award in 2023 in recognition of her outstanding and valuable service to IUFRO in Austria and internationally throughout the years.

Maria Patek was born on 13 July 1958 in Michaelerberg, Styria, Austria. From 1976, she studied Forestry and Forest Management and in 1982 graduated with a Diplom in Engineering from the Department of Forestry at the University of Natural Resources and Life Sciences (BOKU). At BOKU she took a correspondence course, passed additional examinations for the study of forestry and forest management for mudflow and avalanche control (1983–1984), and then passed the State Examination for the Higher Forest Service (1986). From 2006–2008, she completed the international Executive MBA program in public administration/management at the University of Salzburg (MBA).

Dipl.-Ing. Maria Patek began her professional career in 1983 at the Austrian Ministry of Agriculture and Forestry as a civil servant for the Mudflow and Avalanche Control Group (1983–1994). She then held leadership positions as Head of the Regional Construction Office Burgenland and Southern Lower Austria, Forest Service for Mudflow and Avalanche Control (1994–2002), Head of the Department for Mudflow and Avalanche Control, Federal Ministry of Agriculture, Forestry, Environment and Water Management (2002–2016), Head of the Water Management Department, Federal Ministry for Sustainable Development and Tourism (2016–2018), and Head of the Forestry and Sustainability Department at the same Ministry (08/2018–05/2019).

From 3 June 2019 to 7 January 2020, Maria Patek served as Federal Minister for Sustainable Development and Tourism in the Bierlein Federal Government. She then returned to the Department for Forestry and Sustainability. Maria Patek lives in Wiener Neustadt, where she has been a Chair of the Environmental Advisory Board since July 2017. In addition, she is a board member of a listed energy company. In December 2015, Maria Patek received the Grand Silver Medal for Services to the Republic of Austria and in 2023 the Tyrolean Eagle Order in Gold.

Maria Patek has made a significant contribution and provided outstanding services to IUFRO in Austria and at the international level throughout the years, e.g., as the Austrian Director-General for Forestry and Sustainability and IUFRO's Host Country Representative she served as a member of the selection jury for the CPF Wangari Maathai Forest Champions' Award 2022. She constructively worked with IUFRO over decades, participated and delivered keynote presentations at a number of international conferences and meetings organized by IUFRO. In addition, Ms. Patek played a vital role in initiating, formulating, leading and supporting new IUFRO collaborative actions in scientific support for assessing value creation in the forest sector and its links with other areas, such as the water sector. She was a strong advocate for improved communication and strengthening gender equality in IUFRO and in the forest sector in general.

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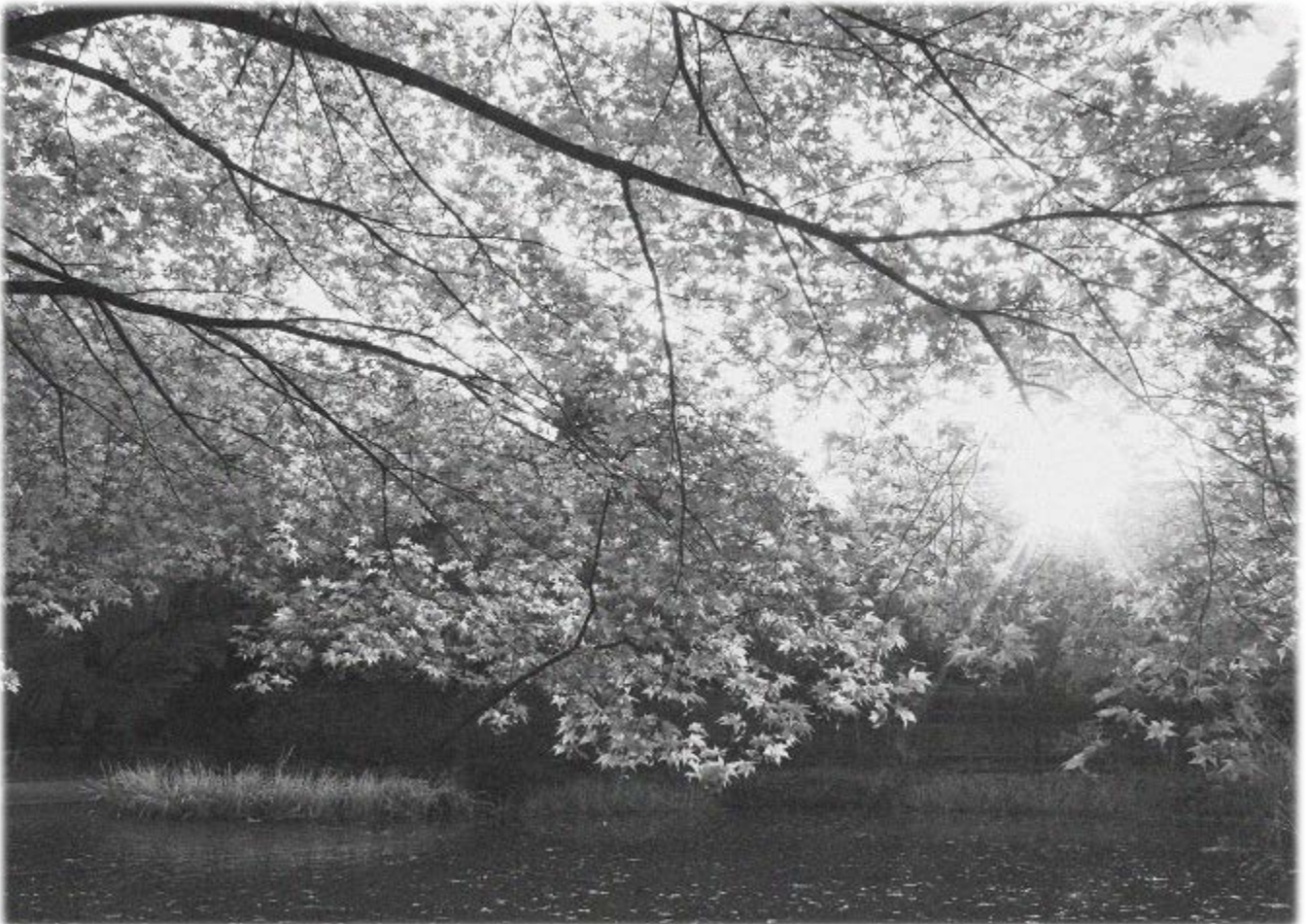
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2024 –

<i>Mauro AGNOLETTI</i>	<i>Italy</i>	<i>2024</i>
<i>Elisabeth JOHANN</i>	<i>Austria</i>	<i>2024</i>
<i>Maximilian (Max) KROTT</i>	<i>Germany</i>	<i>2024</i>
<i>Gun I. K. LIDESTAV</i>	<i>Sweden</i>	<i>2024</i>



AGNOLETTI, Mauro



Mauro Agnoletti received the IUFRO Distinguished Service Award in 2024 for his significant contributions to IUFRO in the field of forest and environmental history.

Mauro Agnoletti was born on 8 August 1954 in Lucignano, Tuscany, Italy. He received his MSc in Forestry from the University of Florence (UoF) in 1980. He began his professional career in 1983 at the UoF's Institute of Forest Ecology. He was promoted to researcher (2001), Associate Professor (2004), and Holder of the UNESCO Chair on Agricultural Heritage Landscapes at the UoF's School of Agriculture (2022). He is the Director of the UoF Laboratory for Landscape and Cultural Heritage. Professor Agnoletti teaches Landscape Planning, Ecological Analysis of Landscape, and Historical Ecology and has delivered courses in several European and North American Universities.

Professor Agnoletti's research interests focus on the historical relationship between humans and forests to improve the understanding of forest ecosystem functions but also go beyond these topics. He has published nearly 250 scientific papers and 29 books, and from 2019–2023, PLOS Biology listed him among the world's most influential researchers. He founded the *Environmental Journal of Interdisciplinary History* and served as its co-editor-in-chief, and also served as editor-in-chief of the first book series on environmental history by Springer. In 2022, he became Associate Editor of *Biodiversity and Conservation*.

In 2007, Professor Mauro Agnoletti coordinated the guidelines for the implementation of social and cultural values in sustainable forest management (SFM) for the Ministerial Conference on the Protection of Forests in Europe (MCPFE) as well as the Landscape Strategy of the Italian National Strategic Plan for Rural Development (2007–2013), and the research activities leading to the creation of the Italian National Register of Historical Rural Landscapes. He was the scientific coordinator of the National Rural Landscape Observatory of the Italian Ministry of Agriculture and Forests and has led about 30 projects involving public and private institutions.

He was one of the co-founders of the European Society of Environmental History (ESEH) serving as its Vice President (2005–2009), and co-founder of the South American and Caribbean Society of Environmental History (SOLCHA). He served as an expert of the UNESCO World Heritage List and the European Landscape Convention. In 2014, he coordinated the UNESCO-CBD Florence Declaration on the linkages between cultural and biological diversity. From 2015–2021, he chaired the Scientific Advisory Group of FAO's program on agricultural heritage systems (GIAHS). He is the Vice President of the International Association of Landscape Ecology (IALE).

For IUFRO he served as Coordinator of Working Party 6.07.02 Historical Timber Trade and Timber Industry (1995–2005), and Research Group 6.07.00 Forest and Woodland History (2005–2015). He organized several IUFRO international meetings on cultural values, expanding his research into policies and developing methodologies now applied at regional and national level. He received several awards for his studies, including the Italian Ministry of Environment Diploma Award (2006), the Bologna Award of Fico Foundation (2019), and the FAO World Food Forum Transformative Research Challenge (2022).

Selected research sources:

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2. Agnoletti M. Personal communications (July 2024) at mauro.agnoletti@unifi.it

JOHANN, Elisabeth



Elisabeth Johann received the IUFRO Distinguished Service Award in 2024 for her significant contributions to IUFRO in the field of forest and environmental history, culture and traditional knowledge.

Elisabeth Johann was born on 17 November 1937 in Vienna, Austria. She studied law, history, economics, and forest science at the universities of Vienna (1956–1958), Freiburg (1958–1961) and Munich (1961–1962). She graduated in forest science and received her Ph.D. in forest history (1965). She continued her education by taking various training courses on environment, education, teaching and communication with the Austrian Society for Nature and Environmental Protection (1990–1995), the University of Freiburg, Germany (1996), the Austrian Forest

Education Centre (FEC) Ort (1997), and certified courses on Forest Pedagogy (1998), Forest and Culture (2009) and Green Care Wald (2022).

Dr. Johann has gained extensive professional experience as a manager of a private forest enterprise (1971–1998); as a participant in various projects in Austria and Germany in the fields of soil science, growth and yield (1960–1962) and air quality assessments (1987–1991); as a consultant at FAO (2007) as a coordinator of a pan-Austrian project during the International Year of the Forests (2011), and as a contributor to the UNESCO-Project 6.156. World environmental history for the Encyclopaedia of Life Support Systems (2008–2015). She was involved in organizing a series of expert workshops focussing on the intangible cultural heritage related to woodlands (Austria 2006–2011), UNESCO expert assessments for Austria (2014–2020), and several exhibitions.

She taught forest history at the Institute for Forest and Environmental Policy, University of Freiburg (1996–1997), international forest history, history of nature conservation at the University of Natural Resources and Life Sciences BOKU, Vienna (2002–2005), and environmental history at the University of Florence, Italy (2019–2023). She taught similar courses as a guest lecturer at the universities of Freiburg, Göttingen, Győr, Ljubljana, Vienna, and Zurich. She was also a member of the core team for the development of a certificate course in forest and culture at the Forest Education Centre (FEC) Ort, Austria (2007–2020), and has supervised and taught a postgraduate training course on Forest and Culture at FEC Traunkirchen, Austria (2019–2024).

Dr. Johann published 10 books and about 100 chapters in books and articles addressing forest and woodland management, sustainability, tangible and intangible cultural heritage, cultural landscapes, commons, nature and landscape conservation, and efforts concerning the safeguarding of the forest-related biocultural heritage in Europe. She is a member of the European Society of Environmental History. In 1991, she founded and still coordinates the Expert Committee on Forestry History of the Austrian Forestry Association. She is active in the Austrian Association on Forest Pedagogy, serving as its President (2010–2014) and Vice President (2006–2010, 2015–present).

Dr. Elisabeth Johann has been involved in IUFRO since 1970. She served as a Deputy (1992–1995) and Coordinator of Research Unit 6.07.00 Forest and Woodland History (1996–2005), Deputy Coordinator of Research Group 9.03.00 Forest History and Traditional Knowledge (2006–2014), and Coordinator of Working Party 9.03.02 Forest Culture (2015–2024). She organized several IUFRO conferences (since 1996).

Selected research sources:

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Johann E. Personal communications (July 2024) at elisabet.johann@aon.at

KROTT, Maximilian (Max)



Max Krott received the IUFRO Distinguished Service Award in 2024 for his outstanding and valuable service to IUFRO in the fields of forest policy and forest social sciences.

Max Krott was born on 25 January 1955 in Älvdalen, Dalarna County, Sweden. He graduated as a Forestry Engineer (1979) at *Universität für Bodenkultur* (BOKU, now the University of Natural Resources and Life Sciences, Vienna) and stayed as a Research Assistant (1977–1988). From BOKU he received his Doctoral degree (*Dr. rer. nat. techn.*) in 1982 and his habilitation in Forest Policy and Regional Planning (1988). He received a master's degree (*Mag. Phil.*) in Political Sciences from the Institute for Advanced Studies in Vienna (1983).

In 1988, Dr. Krott became Associate Professor at BOKU and in 1995, he accepted an offer from Georg-August University of Göttingen, Germany, where he served as Professor and Head of the Chair Group of Forest and Nature Conservation Policy (1995–2023). He combined teaching and research and went on various research and teaching trips to the USA, Russia, China, Cameroon, Indonesia, Australia and European countries. Since 2005, he has been teaching Forest Policy Analysis within the EUROFORESTER MSc Program at Alnarp, Sweden. Since 1995 Professor Krott has supervised 60 accomplished PhD students. From 1980 to 2022, he also worked in several local governmental research institutions and acted as a consultant on forestry practices.

Professor Krott's main research interests lie in the areas of national and international forest and nature conservation policy. Concentrating on issues of administrative policy, power of political actors, community forestry and urban forest policy, he conducted numeral cases studies in five continents with a focus on Europe, Asia and Africa. In addition, Max Krott engages in research and consulting related to the transfer of scientific knowledge into practice. Together with Professor Böcher he developed the R(earch)-I(ntegration)-U(tilization) model of knowledge transfer. He is the author and co-author of more than 200 reviewed scientific papers and 20 books. Professor Max Krott is the founding editor of the international journal *Forest Policy and Economics*.

In 1989, Professor Krott founded the European Forum of Forestry Administrations (1990-2000), where representatives of European forestry services jointly developed solutions to managerial problems in the transition period. He served as a member of the Scientific Advisory Board (SAB) of the European Forest Institute (EFI) (1998–2002), as a Chair of the Board of Trustees of the Baden-Württemberg Forestry Research Institute (FVA), Freiburg (2001–2009), and as a Chair of the Board of the public company Wald-Wird-Mobil GmbH (2015–2020). He also chaired the working group "Forests, Wildlife, Rangelands" of the International Commission for the Protection of the Alps (1990-1995, CIPRA) in Austria. He served 30 years as scientific controller of the Ministry of science and education in Vienna.

Professor Max Krott was active in IUFRO in various positions including Deputy Coordinator of Division 6 (1996–2000), Coordinator of the Task Force (TF) "Forest and Carbon Sequestration" (1996–2000), Coordinator of the TF "Communicating Forest Science" (2001–2005), and Deputy Coordinator (2006-2010) of that TF. He served as a Deputy Coordinator of the Working Party on Forest Policy in Countries with Economies in Transition (2010–2014).

Selected research sources:

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LIDESTAV, Gun Ingegärd Carina



Gun Lidestav received the IUFRO Distinguished Service Award in 2024 for her valuable contributions to IUFRO Division 6 in the field of gender and forestry.

Gun Lidestav was born on 3 December 1956 in Bjurholm, Västerbotten, Sweden. She graduated as a Forester in 1983 at the Swedish University of Agricultural Sciences (SLU), obtained her Ph.D. in 1994 from SLU, and became the second woman in Sweden to receive a doctoral degree in forest technology dealing with the use and planning of community owned forests, a topic she has been interested in throughout her research career.

Since 1984, Gun Lidestav has been tightly linked with SLU, first as a doctoral student, then as an Assistant Professor, and an Associate Professor in Forest Management (2001). In 2013, she also became an Adjunct Professor at the School of Environment and Sustainability, University of Saskatchewan, Canada. In SLU and its Faculty of Forest Sciences, she served as member of the Faculty Board for three periods (2004–2006, 2007–2009 and 2013–2015), and for one period as member of SLU's Excellence Teacher's Committee (NEX).

Dr. Lidestav's research interest lies in the areas of small scale-forestry, commons and gender studies. Between 2004 and 2006, she led a Team of Specialists on Gender and Forestry on behalf of FAO/ECE/ILO and was involved as a gender specialist in various international R&D programs and projects in developing countries, e.g., Ethiopia, the Philippines, and Nicaragua, and in the European Union. Nationally, she has been involved in various gender equality initiatives, both government-initiated and initiated by the forest sector, e.g., within the framework of the National Gender Equality Strategy for the Forestry Sector and SLU's gender equality work. As a research thematic leader (2006) on rural and landscape studies she conducted research in a range of related subjects, with a special focus on small-scale (family and community) forestry, including related policy issues. In her research, she often applies a gender perspective, which has also contributed to a range of national and international engagements. In her research fields, she has published more than 100 articles, a dozen book chapters and a number of popular science publications.

Dr. Lidestav is an editorial board member of professional journals, such as the *Scandinavian Journal of Forest Research*, and *Small-Scale Forestry*. In 2003, she received the Swedish Forestry Association's Golden Twig Award for her research on women forest owners and for the way she communicated her results to a broad target group.

In 2000, Dr. Lidestav, together with Dr. Ann Merete Furuberg, initiated a new Research Group (RG) 6.18.00 Gender and Forestry within IUFRO Division 6 and chaired the IUFRO Working Party (WP) Gender Research in Forestry (2000–2010). She was Coordinator of the IUFRO RG 06.08 Gender and Forestry (2010–2019) and the Task Force on Gender Equality in Forestry (2015–2019).

Selected research sources:

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2. Gender in European forest ownership and management: reflections on women as "New forest owners". *Scandinavian Journal of Forest Research* 32(2): 174–184. (with G. Follo, A. Ludvig, et. al.). 2017.
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Lidestav G. Personal communications (July 2024) at Gun.Lidestav@slu.se

Conclusions

This booklet is about the recipients of the IUFRO Distinguished Service Award who undertook not only their personal research, but also served in different capacities for IUFRO, starting with regular participation in meetings and extending to the management of various projects, research and working units, as well as in Divisions, Congress Organizing Committees and senior management bodies.

Over more than 40 years (1981–2024), 124 scientists representing 31 countries from all continents were awarded the IUFRO DSA. The USA has the highest number of recipients – 19 scientists, followed by Germany – 14, Austria – 10, Finland – 8, Canada, Switzerland, the United Kingdom – 6, Australia, Japan and Sweden – 5 people. Other countries have had less than five awardees, e.g., Italy and Poland with 4 each, Brazil, Chile, France, Italy, New Zealand, and the Russian Federation with 3 each, Denmark, Republic of Korea, Slovakia and the former Yugoslavia with 2 each, and Croatia, Czech Republic and the former Czechoslovakia, Ghana, Hungary, India, Malaysia, Norway, Portugal, and Romania with 1 officeholder each.

A few of the scientists who have received the IUFRO DSA are also recipients of other IUFRO awards. Among them are three individuals who later became IUFRO Honorary Members, e.g., in 1992 – Mr. Oscar Fugalli (Italy), in 1995 – Professor Risto Seppälä (Finland), and in 2005 – Dr. Eric Teissier du Cros (France). IUFRO Scientific Achievement Awards were delivered to Professors Harold Burkhart (USA) in 1981, who also received IUFRO Host Country Scientific Award (2014), John Innes (Canada) in 1995, Jerry Vanclay (Australia) in 2010, and Margarida Tome (Portugal) in 2019, who also received the IUFRO Best Poster Award (2000).

Many recipients of the IUFRO DSA are well-known scientists, educators, managers, governmental employees and CEOs. They have dedicated much time to the Union, serving in various IUFRO units in all Divisions, the International Council, the Board, the Management Committee, as COC Chairs and in other positions, and in their area of interests they have organized, co-organized and led many global, international, and national meetings under the auspice of IUFRO and/or in tight cooperation with the Union. Many of the awardees have an impressive record of service in IUFRO in various positions for over 25–30 and more years. Many have served in two different Divisions and supported interdisciplinary research.

In this regard, in the conclusion of his paper, Dr. Kazuo Suzuki² has cited the words of the first IUFRO DSA awardee Professor Mitsuma Matsui addressed to the scientists of the next generation, *“The science related to trees has also made great progress with more specification. The fields related to tree health are diverse. In addition, the change in environmental condition is increasing. Therefore, it is inappropriate to analyse various phenomena observed in trees by using a single specialized research area. In a criminal investigation, it is the principle to return to the onsite field when the investigation is in stuck. Likewise, it is essential for forest scientists to return to the field. Carefully planned experiments based on close observations are becoming more important. I think what we, as forest scientists, should do is to integrate our advanced expertise in various phenomena occurred in the onsite field.”* (Translation for this edition by Dr. Sumire Williams Kawamoto).

The author hopes that this booklet will be of interest for researchers, university students, forest managers and foresters at large, and they will see the historical development of forest and wood sciences and IUFRO through the short biographies of the Union’s distinguished officers.

²鈴木和夫. 松井光瑠氏を偲ぶ. 樹木医学研究 13(1), 1-1, 2009-01-31. [Kazuo Suzuki. In memory of Mr. Mitsuma Matsui. *Journal of Tree and Forest Health*, 13(1), 1-1, 2009-01-31].

Acronyms and Abbreviations

- AAAS – American Association for the Advancement of Science
- ACIAR – Australian Centre for International Agricultural Research, Canberra, Australia
- ACS – American Chemical Society
- AEC – Atomic Energy Commission
- AFA – American Forestry Association
- AfDB – African Development Bank
- AFF – *Acta Forestalia Fennica*
- AID – Agency for International Development
- AIDAB – Australian International Development Bureau
- APAARI - Asia-Pacific Association of Agricultural Research Institutions
- AP-FECM – Asia-Pacific Forestry Education Coordination Mechanism
- API – American Paper Institute
- APS – American Phytopathological Society
- ASEAN – Association of Southeast Asian Nations
- ASM – American Society of Microbiology
- AWPA – American Wood Protection Association
- BC – British Columbia
- BioGeCo (or BIOGECO) – *Biodiversité, Gènes et Communautés* = Biodiversity, Genes, and Communities
- CAF – Chinese Academy of Forestry
- Canfor – Canadian Forest Products Ltd.
- CATIE – *Centro Agronómico Tropical de Investigación y Enseñanza* = The Tropical Agricultural Research and Higher Education Center, Costa Rica
- CBD – Convention on Biological Diversity
- CCGD – Center for the Conservation of Genetic Diversity
- CE – Council of Europe
- CENRAD – Centre for Environment, Renewable Natural Resources Management, Research and Development
- CEO – Chief Executive Officer
- CFA – Commonwealth Forestry Association
- CFS – Canadian Forest Service
- CG – Contact Group
- CGIAR – Consultative Group on International Agricultural Research
- CGRFA – Commission on Genetic Resources for Food and Agriculture
- CIBAGRO – *Centro de Información Bioagropecuario y Forestal* = Bio-Agriculture and Forestry Information Center. Resistance, Argentina
- CIFF – *Communicationes Instituti Forestalis Fenniae* = Publications of METLA
- CIFOR – Center for International Forestry Research
- CIRAD – *Le Centre de coopération internationale en recherche agronomique pour le développement* = French Agricultural Research Center for International Development
- CIRMOUNT – Consortium for Integrated Climate Research in Western Mountains
- CJFR – Canadian Journal of Forest Research
- CLAMS – Coastal Landscape Analysis and Modeling Study
- CoB – Chairman of the Board
- COST – Cooperation for Science and Technology in Europe
- COTE, LabEx – *laboratoire d'excellence COTE* = LabEx COTE – cluster of excellence
- CRC – Cooperative Research Centre
- CRC-GA – Cooperative Research Centre for Greenhouse Accounting, Australia
- CRFA – Canadian Renewable Energy Association
- CSIR – Council for Scientific and Industrial Research
- CSIRO – Commonwealth Scientific and Industrial Research Organisation
- CTIA – Canadian Tree Improvement Association
- DSA – Distinguished Service Award
- EB – Executive Board
- EC – European Commission
- EEB – Enlarged Executive Board
- EFI – European Forest Institute
- EFRSF – European Forest Research Support Foundation
- ENGO – Environmental Non-Governmental Organisation
- ENSTIB – *École Nationale Supérieure des Technologies et Industries du Bois* = National School of Wood Science and Wood Engineering, Université de Lorraine, France
- EOLSS – Encyclopaedia of Life Support Systems

EPA – Environmental Protection Agency
 ERP – Enterprise Resource Planning
 ESF – European Science Foundation
 EUSTAFOR – Association of European State Forest Organisations
 FABI – Forestry and Agricultural Biotechnology Institute, University of Pretoria, South Africa
 FBSTP – Forest-Based Sector Technology Platform
 FC – Forestry Commission of the United Kingdom
 FEFR – Foundation for European Forest Research
 FEMAT – Forest Ecosystem Management Assessment Team
 FPS – Forest Products Society
 FRA – Forest Resources Assessment
 FRIM – Forest Research Institute Malaysia
 FRSC – Fellow of the Royal Society of Canada
 FTSE – Fellow of the Australian Academy of Technological Sciences
 FWPA – Forest and Wood Products Australia, Ltd.
 GEF – Global Environment Facility
 GLORIA – Global Observation Research Initiative in Alpine Environments
 HLG – High Level Group
 H.M.S.O. – Her Majesty’s Stationary Office, London, UK
 IAWA – International Association of Wood Anatomists
 IAWS – International Academy of Wood Science
 IBFRA – International Boreal Forest Research Association
 IBPGR – International Board for Plant Genetic Resources
 IC – International Council
 IEA – International Energy Agency
 IFAC – International Federation of Automatic Control
 IFAD – International Fund for Agricultural Development
 IFG – Institute of Forest Genetics
 IFS – International Foundation for Science
 IIASA – International Institute for Applied Systems Analysis
 IFB – *Institut français de la biodiversité* = French Institute for Biodiversity
 IITA – International Institute of Tropical Agriculture, Ibadan, Nigeria
 INRA – *Institut national de la recherche agronomique* = National Institute of Agricultural Research
 INTECOL – International Association for Ecology
 IPCC – Intergovernmental Panel on Climate Change
 IPGRI – International Plant Genetic Resources Institute
 ISF – Institute of Chartered Foresters, UK
 IRGWP – International Research Group on Wood Protection
 ISIS – Institute of Strategic and International Studies
 ISPP – International Society for Plant Pathology
 ISTF – International Society of Tropical Foresters
 ITE – Institute of Terrestrial Ecology, UK
 ITTO – International Tropical Timber Organization
 IUCN – International Union for Conservation of Nature
 IUFRO – International Union of Forest Research Organizations
 IULA – International Union of Local Authorities
 KFRI – Kerala Forest Research Institute, Peechi, Kerala, India
 KSLA – Royal Swedish Academy of Agriculture and Forestry
 L. Sc. – Licentiate of Science
 LERMAB – *Laboratoire d’Étude et de recherche sur le matériau bois* = Laboratory of Studies and Research on Material Wood, University of Lorraine, France
 LL.D – *Legum Doctor* = honorary doctorate
 LSBC – Life Sciences British Columbia
 LTER – Long-Term Ecological Research
 LTSER – Long Term Socio-Economic and Ecological Research
 Luke – *Luonnonvarakeskus* = Natural Resources Institute Finland
 MBA – Master of Business Administration
 MAFF – Ministry of Agriculture, Forestry and Fisheries, Japan
 MC – Management Committee
 MCPFE – Ministerial conference on the protection of Forests in Europe ENGOS
 METLA (or Metla) – *Metsäntutkimuslaitos* = Finnish Forest Research Institute (now part of the Natural Resources Institute Finland, Luke)
 NARA – Northwest Advanced Renewables Alliance
 NARI – National Agricultural Research Institute, Papua New Guinea
 NAUFRP – National Association of University Forest Research Programs (USA)
 NAS – National Academy of Sciences
 NERC – National Environment Research Council

NIFoS – National Institute of Forest Science (before April 2015: Korea Forest Research Institute – KFRI)
 NGO – Non-Governmental Organisation
 NRC – Natural Resources Canada
 NSERC – Natural Sciences and Engineering Research Council of Canada

 OBE – Officer of the Most Excellent Order of the British Empire
 ODRA – Outstanding Doctoral Research Award
 OECD – Organisation for Economic Co-operation and Development
 OFI – Oxford Forestry Institute, Oxford University
 PEFC – Programme for the Endorsement of Forest Certification
 PG – Project Group
 PNW-GTR – Pacific Northwest Research Station, General Technical Report
 PNW-RS – Pacific Northwest Research Station of the USDA Forest Service
 PRC – People’s Republic of China
 PSW-RS – Pacific Southwest Research Station of the USDA Forest Service
 RAS – Russian Academy of Sciences
 RG – Research Group
 RoK – Republic of Korea
 RPF – Registered Professional Forester
 RSA – Republic of South Africa
 RSC – Royal Society of Canada
 SAA – Scientific Achievements Award
 SAB – Scientific Advisory Board
 SAC – Scientific Advisory Committee
 SAF – Society of American Foresters
 SAFJ – South African Forestry Journal, published by National Information Solutions Cooperative (NISC)
 SBFC – Symposium on Biotechnology for Fuels and Chemicals
 SCGFRP – Southern Cross Group of Forest Researchers and Practitioners
 SFM – Sustainable forest management
 Sida (or SIDA) – Swedish International Development Cooperation Agency
 SIM – Society of Industrial Microbiology
 SITRA – *Suomen itsenäisyyden juhlarahasto* = the Finnish Innovation Fund
 SNP – single nucleotide polymorphism
 SSA – Superior Scientist Award, USA

 StAB – Stakeholder Advisory Board
 STRI – Smithsonian Tropical Research Institute, Panamá, Panama
 SUNY – State University of New York
 SUNY-ESF – SUNY College of Environmental Science and Forestry
 SWST – Society of Wood Science and Technology
 TAPPI – Technical Association of the Pulp and Paper Industry; issues TAPPI Journal
 TEAKNET – Asia-Pacific Network on Research and Development of Teak
 TF – Task Force
 UBC – University of British Columbia, Canada
 UN FAO – Food and Agriculture Organization of the United Nations
 UNDP – United Nations Development Programme
 UNEP – United Nations Environmental Programme
 UoF – University Of Florence
 USDA – United States Department of Agriculture
 USDA FS – United States Department of Agriculture, Forest Service
 USDoe – United States Department of Energy
 USFS – United States Department of Agriculture, Forest Service
 VNIILM – All-Union Research Institute of Silviculture and Mechanization of Forestry
 WB – World Bank
 WCFSD – World Commission on Forests and Sustainable Development
 WFC – World Forestry Congress
 WG – Working Group
 WIF – World Innovation Foundation
 WP – Working Party
 WSL – Swiss Federal Institute for Forest, Snow and Landscape Research
 WST – Wood Science and Technology, journal

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