

**2018 Spring Webinar Series**  
**Presented by WP 5.04.13 at IUFRO**  
**Industrial Engineering, Operation Analysis and Logistics**



Coordinator: Henry Quesada (Virginia Tech, USA)

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### **Description and schedule**

The Industrial Engineering, Operation Analysis and Logistics working party (5.04.13) AT IUFRO is glad to announce a series of webinars scheduled for Spring 2018. **Please MARK YOUR CALENDAR!**

The goal of this webinar series is to present latest updates on technology and operations management practices impacting the forest products industry. The webinars are free and do not require a registration. If for some reason you cannot participate, a recording of each webinar will be uploaded to the working party web site. The schedule is as follows:

- ***Lean Logistics***. Value Stream Mapping Applied to the Wood Fiber Supply Chain. **February 6, 2018**. 10 am-11 am US Eastern time (GMT -05:00). WebEx session number 317 786 309
- ***Statistical Process Control (SPC) – A Time-Tested Tool for Process Control and Improvement***. **March 20, 2018**. 7 am-8 am Pacific Time (GMT -08:00). WebEx session number 311 570 056
- ***Wood procurement***. **April 10, 2018**. 4 pm -5 pm Central European Time (GMT +01:00). WebEx session number 310 080 448
- ***Production Management in Forest based industries***. **May 15, 2018**. 4-5pm Central European Time (GMT +01:00). WebEx session number 318 558 152
- ***Tooling Issues in Wood-Based Manufacturing***. **June 12, 2018**. 10 pm-11pm Malaysia Time (GMT+08:00). WebEx session number 648 885 702

### **Instructions to access WebEx**

1. Go to <https://virginiatech.webex.com>
2. Enter the WebEx session number (see above)
3. If this is your first time using WebEx, the platform will ask you to install the WebEx client. It will take a couple of minutes
4. Once you are logged-in, please adjust your microphone and speakers preferences.

### **Webinars Details**

***Lean logistics*** –Value Stream Mapping Applied to the Wood Fiber Supply Chain. February 6, 2018. 10 am-11 am US Eastern Time (GMT -05:00).



**Description:** Value stream mapping (VSM) has been widely used to map manufacturing activities and their metrics but little has been done to adapt this visual tool to logistic operations. This webinar will introduce the main concepts about VSM and a case of study will be presented to show how to apply VSM to the wood fiber supply chain starting with harvesting to log yard operations.

**Presenter:** Dr. Henry Quesada, Associate Professor and Extension Specialist in the Department of Sustainable Biomaterials. Virginia Tech

**Statistical Process Control (SPC) – A Time-Tested Tool for Process Control and Improvement.** March 20, 2018. 7-8 am Pacific Time (GMT -08:00).



**Description:** This webinar will introduce participants to SPC through a case example describing how it was used by a small wood products manufacturer. The case will begin by addressing common questions and objections related to SPC - for example, what's wrong with simply measuring the product and comparing the values to specifications (i.e., do we really need to use statistics)? The presentation will then discuss how SPC was introduced to the case company, how employees were trained, and the results.

**Presenter:** Dr. Scott Leavengood, Associate Professor and Director, Oregon Wood Innovation Center, Oregon State University.

**Wood procurement.** April 10, 2018. 4 pm-5pm Central European Time (GMT +01:00).



**Description:** This webinar will give a general introduction to the role of procurement in modern management. We will discuss different portfolio models to align the procurement policies. A case study on forest fuel procurement will help us to understand the portfolio approach.

**Presenter:** Dr. Manfred Gronalt, University Professor, University of Natural Resources and Life Sciences Vienna

**Production Management in Forest based industries** – May 15, 2018. 4-5pm Central European Time (GMT +01:00).



**Description:** This webinar introduces participants to various cutting problems from one dimensional to three dimensional which occur in forest based industries. We will discuss alternative objective functions and solve the problems with Excel Solver.

**Presenter:** Maria Anna Huka, University Assistant, University of Natural Resources and Life Sciences in Vienna

**Tooling Issues in Wood-Based Manufacturing.** -June 12th, 2018. 3-4 pm Malaysia Time.



**Description:** In wood-based machining operations, tool wear is the one critical factor that needs to be addressed and overcome. Vast studies on tool wear have indicated that the two pressing issues related to tool wear are on methods to reduce and to measure it. This webinar will introduce the subject on tool wear in terms of its mechanisms and effects among others, followed by a promising method on how to increase tool life of tungsten carbide tools.

**Presenter.** Dr. Judith Gisip, Senior Lecturer at the Faculty of Applied Sciences, Bio-Composite Technology Program. Universiti Teknologi MARA, Malaysia.