

WOOD SCIENCE BEYOND EUROPE

When: May 20 – May 22, 2025

Venue: Livade 6a, 6310-Izola, Slovenia

Organizers: University of Primorska in collaboration with InnoRenew CoE

Lecturers: Dr. Laurence Schimleck and Dr. Scott Leavengood, Oregon State University, USA

Objectives:

- Gather the regional wood science community for presentations and discussions on highly relevant research topics performed in USA by Dr. Schimleck and Dr. Leavengood
- Share information and knowledge about forest-based industry and research and development activities in Oregon, USA
- Open discussions on nondestructive testing in various applications supporting the advancement of forest-based industries



DEADLINE: 9. 5. 2025

May 20, 2025

Wood industry in Oregon USA and beyond

9:30 - 10:00	Welcome coffee
10:00 - 10:10	Welcoming words, Klavdija Kutnar, rector of the University of Primorska
10:10 - 10:20	Overview of the event and introduction of the lecturers, Andreja Kutnar
10:20 - 11:05	The Oregon Forest Industry - species, products, and processes, Scott Leavengood
11:05 - 11:20	Break
11:20 - 12:05	Industry-University Collaboration: The Oregon Wood Innovation Center, Scott Leavengood
12:05 - 12:50	Maps of North American conifers, Laurence Schimleck
12:50 - 13:50	Lunch break
13:50 - 15:15	NDT methods used for mapping - SilviScan, NIR spectroscopy, acoustics, Laurence Schimleck
15:15 - 16:00	Demonstrations of NDT in InnoRenew CoE laboratories, Laurence Schimleck & Jakub Sandak

May 21, 2025

Wood variability

9:30 - 10:00	Welcome coffee
10:00 - 10:05	Introduction to the day, Andreja Kutnar
10:05 - 10:50	Introduction to within-tree variation in wood properties, Laurence Schimleck
10:50 - 11:35	What do we know about radial density variation in North American conifers, Laurence Schimleck
11:35 - 11:50	Break
11:50 - 13:20	Commercialization of lesser-known/lesser-utilized species: Case Examples - 1. western juniper, 2. Willamette Valley ponderosa pine, 3. hybrid poplar, 4. gorse, Scott Leavengood & Laurence Schimleck)
13:20 - 14:50	Lunch break
14:50 - 16:35	Variation of wood properties and variation in wood properties of hybrid poplar lumber, Scott Leavengood & Laurence Schimleck



May 22, 2025

Workshop on wood variability

9:30-10:00

Welcome coffee

10:00 - 10:05

Introduction to the workshop "Within tree variations", Scott Leavengood & Laurence Schimleck

10:05 - 11:50

Interactive discussion on how and why difference within the trees arise, Laurence Schimleck

11:50 - 12:15

Break

12:15 - 13:00

Case examples of impacts of within-tree variation on wood products in-service, Scott Leavengood

13:00 - 15:00

Lunch



Laurence Schimleck

About the lecturers

Laurence (Lauri) Schimleck is a professor in the Department of Wood Science and Engineering at Oregon State University. Lauri joined OSU in 2012 having worked at the University of Georgia and CSIRO Forestry and Forest Products (Australia) previously. His research interests include nondestructive evaluation of wood properties, and examination of silvicultural impacts on wood quality. Lauri teaches grad level introductory wood science courses and undergraduate plant anatomy.

Lauri has BS and PhD degrees in Forestry from University of Melbourne (Australia).



Scott Leavengood

Scott Leavengood is director of the Oregon Wood Innovation Center at Oregon State University. Scott has been with OSU since 1994. His primary job duties are related to industrial outreach which includes providing technical assistance to wood products firms and assisting entrepreneurs. He also teaches a course on advanced manufacturing.

Scott has a B.S. in Wood Science from Colorado State University, M.S. from OSU, and a Ph.D. in Engineering Management from Portland State University.



Organized in collaboration with NEBA Alliance (GA #101160532) and WoodStock (GA #101181021).