

Program of “6th TalTech Summer Seminar on Wood Valorisation”

Venue: Oxforell Holiday Centre – <https://oxforell.ee/>

18th June, Thursday

08:45 Gathering in front of main entrance at TalTech.

09:00 Bus departure from TalTech main building at Ehitajate tee 5

09:45 – 10:15 arriving to the site, registration, coffee and snacks.

10:15 – 10:30 Opening words, Jarek Kurnitski, Vice-Rector for Research, TalTech

10:30 – 12:00 Session I, Session Chair Prof. Andres Krumme

10:30-10:50	<i>Has the wooden house sector started doing the work of universities?</i> <u>Piret Jaani</u> , Education Coordinator, Estonian Woodhouse Association
10:50-11:10	<i>Supporting Growth Through Knowledge and Innovation</i> <u>Jürgen Dobris</u> , Development Manager, Wood Competence Center
11:10-11:30	<i>Step-by-step R&D transfer</i> <u>Illia Krasnou</u> , Senior Researcher, Laboratory of Biopolymer Technology, Department of Materials and Environmental Technology, TalTech
11:30-11:45	<i>Maximizing Value from Production Residues</i> <u>Eve Teppan</u> , Focus Area Coordinator, TalTech
11:45-12:00	<i>Addressing the challenges in proposal development at TalTech.</i> <u>Andrew Rozeik</u> , Project Proposal Writer, Research Administration Office, TalTech

12:00 – 13:00 Lunch

13:00 – 15:00 Session II, Session Chair Dr. Illia Krasnou

13:00-13:20	<i>From Wood to Fermentation: Closing the Scale-Up Gap</i> <u>Jaan Jantson</u> , Technology Expert, AS Metrosert
13:20-13:40	<i>Accelerating Science-Based Wood Valorisation Through Deep-Tech Spin-Offs</i> <u>Siim Salmar</u> , Head of Chair, Associate Professor in Organic Chemistry, University of Tartu
13:40-14:00	<i>Sustainable routes for synthesis of fatty acid cellulose esters.</i> <u>Andres Krumme</u> , Researcher-Professor, Head of Laboratory, Laboratory of Biopolymer Technology, Department of Materials and Environmental Technology, TalTech
14:00-14:20	<i>Molecular Dynamical simulations of cellulose dissolution</i> <u>Andrus Metsala</u> , Laboratory of Biopolymer Technology, Department of Materials and Environmental Technology, TalTech
14:20-14:40	<i>Prepare for wood age arrival!</i> <u>Jaan Kers</u> , Tenured Associate Professor, Head of Laboratory, Laboratory of Wood Technology, Programme Director, Member of the Committee for Research, Department of Materials and Environmental Technology, TalTech
14:40-15:00	<i>The way forward for forest policy in the Baltic Sea region</i> <u>Marku Lamp</u> , Head of Research and Development Cooperation, Estonian University of Life Sciences

15:00 – 15:30 Coffee break

15:30 – 17:30 Session III, Session Chair Prof. Jaan Kers

15:30-15:35	<i>Estonian Forest and Wood Industries Association Best Thesis Award</i> <u>Henrik Välja</u> , Managing Director, Estonian Forest and Wood Industries Association
15:35-15:40	Presentation of Awarded Thesis: <i>Fire resistance of engineered wood glue joints made with polyurethane adhesives</i> <u>Karl Magnus Vuuk</u>
15:45-16:00	<i>Introduction to panel discussion</i> <u>Rainis Venta</u> , Head of Innovation, Institute of Bioengineering, University of Tartu
16:00-17:15 (in Estonian language)	Panel discussion: “How to speed up science-based wood valorisation?” Moderator: Rainis Venta, Head of Innovation, Institute of Bioengineering, University of Tartu Participants: <u>Andres Krumme</u> , Researcher-Professor, Head of Laboratory, Laboratory of Biopolymer Technology, Department of Materials and Environmental Technology, TalTech <u>Henrik Välja</u> , Managing Director, Estonian Forest and Wood Industries Association <u>Marku Lamp</u> , Head of Research and Development Cooperation, Estonian University of Life Sciences <u>Mikk Vahtrus</u> , Head of Development, Department of Innovation and Technology, Ministry of Economic Affairs and Communications <u>Renno Veinthal</u> , Deputy Secretary General for Research and Development, Higher Education and Adult Education Policy, Ministry of Education and Research <u>Siim Salmar</u> , Head of Chair, Associate Professor in Organic Chemistry, University of Tartu

17:30 – 19:00 Social games and ATV ride

19:00 Dinner

20:00 – 00:00 free time, afterparty for bravest in sauna (own alcohol drinks allowed)

19th June, Friday

08:00 – 09:00 breakfast, check-out

09:00 – 10:30 Session IV, Session Chair Prof. Tiia Plamus

09:00-09:20	<i>Knowledge Challenge</i>
09:20-09:40	<i>Roadmaps, that support the development of the wood sector in Estonia</i> <u>Kristy Parro</u> , Head of the Forestry Department, Ministry of Climate

09:40-10:00	<i>Developments in timber engineering</i> <u>Alar Just</u> , Tenured Associate Professor, Structural Engineering Research Group, Department of Civil Engineering and Architecture, TalTech
10:00-10:20	<i>Preliminary mycelium composites fabrication from Estonian hardwood species as a thermal insulator</i> <u>Eldwin Maidiono</u> , Early-Stage Researcher, Laboratory of Wood Technology, TalTech
10:20-10:40	<i>Demonstrating Versatile Fibre-Based Value Chains from Biomass Grown on Marginal Lands: A Case Study with Hemp (FIBSUN CBE-JU)</i> <u>Percy Alao</u> , Researcher, Laboratory of Wood Technology, Department of Materials and Environmental Technology, TalTech

10:40 – 11:10 coffee break

11:10 – 12:50 Session V, Session Chair Prof. Alar Just

11:10-11:30	<i>New research directions in TalTech Laboratory of Textile Technology - valorisation of secondary raw materials and bioresources</i> <u>Tiia Plamus</u> , Associate Professor, Head of Laboratory of Textile Technology, Department of Materials and Environmental Technology
11:30-11:50	<i>Chemical and biological valorisation of lignin at TalTech</i> <u>Yevgen Karpichev</u> , Senior Researcher, Division of Chemistry, Department of Chemistry and Biotechnology, TalTech
11:50-12:10	<i>Enzymatic Modification of Technical Lignin's</i> <u>Kairit Zovo</u> , Researcher, Division of Chemistry, Department of Chemistry and Biotechnology
12:10-12:30	<i>Breaking Lignin's Code with Soil Bacteria</i> <u>Kannan Thirumal Muthu</u> , Early-Stage Researcher, Department of Chemistry and Biotechnology, TalTech
12:30-12:40	<i>Wood Valorisation HUB – what we did so far and where we go?</i> <u>Viktoria Gudkova</u> , WoodValHUB development manager, TalTech
12:40-12:50	<i>Knowledge Challenge winners award</i> <i>Wrap-up of seminar sessions</i>

12:50 – 13:30 Lunch

13:40 Bus departure for an excursion to Thermory AS

14:20 – 16:20 Tour to Thermory AS industry facilities

16:30 Bus departure to TalTech

At the latest 17:15 we are back to TalTech main building