

ICWST 2025 - PROGRAM

Thursday, 4th December 2025

Faculty of Forestry and Wood Technology, Svetošimunska 23, Zagreb

8:30	Registration <i>Main hall (yellow pavilion)</i>
9:30	Opening (organizers and sponsors)
9:40 - 10:50	Session 1
9:40	Beyond the Surface: Inside Wood Through Advanced 3D Technologies for Teaching and Research Maks Marela
10:05	MycoWall: Organic Insulation for Future Timber Constructions Petržela, Benjamin; Hýsek, Štěpán; Jozífek, Miroslav
10:20	Integrated Life Cycle and Techno-Economic Analysis of Hardwood Cross-Laminated Timber Production in the Eastern United States Zhao, Jinghan; Wang, Jingxin; Denes, Levente
10:35	Possibilities for Using Waste and Mycelium Based Composites in Furniture Design, with a Focus on Outdoor and Temporary Furniture Dankova, Marketa; Iždinsky, Ján; Dvořák, Ondřej; Jozífek, Miroslav, Gašparik,
10:50 - 11:35	Coffee break and poster section
11:35 - 12:35	Session 2
11:35	Research on the Specific Cutting Energy of CO₂ Laser Beam Interaction with Solid Wood and Plywood Halim, Engindzhan; Gochev, Zhivko; Vitchev, Pavlin
11:50	The Influence of Varnish on Modulus of Elasticity and Damping in Wooden Musical Instruments Merhar, Miran; Pavlič, Matjaž; Albrecht, Luka
12:05	Evaluation of Processing Time in Primary Sawmilling of Scots Pine (<i>Pinus sylvestris</i>) Logs on a Vertical Band Saw Stamenkoska, Ana Marija; Temelkova, Anastasija; Zlateski, Goran; Trposki Zoran; Rabadziski, Branko; Koljozov, Vladimir
12:20	Dendrochronology and Wood Science – New Achievements and New Challenges Čufar, Katarina; Balzano, Angela; Krapež, Daša; Krže, Luka; Straže, Ales; Žigon, Jure; Merela, Maks
12:35 - 13:05	Tour of the wood technology department
13:10 - 14:10	Lunch
16:00 - 18:00	Advent downtown tour (details to be announced)
19:30 - 23:00	Dinner

ICWST 2025 – PROGRAM

Friday, 5th December 2025

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8:00 - 9:00	Coffee
9:00 - 10:45	Session 3
9:00	Mapping the European Wood Education Community Zatoń, Patrycja; Jancke, Oliver; Ustych, Radmila; Kies, Uwe
9:15	Challenges and Perspectives of Digital Transformation in the Wood Industry Vukman, Karla; Klarić, Kristina; Miklošić, Denis; Crnojević, Jelena; Perić, Ivana
9:30	Mechanical Properties and Free-Formaldehyde Content of Particleboards made with the Addition of Dyed Wood Chips Španić, Nikola; Brglez, Lucija; Stanešić Juraj
9:45	Strength and Weaknesses of some Alternative Adhesives for Particleboard Production Medved, Sergej; Kopač, Luka; Zorman, Nejc; Humar, Miha; Lesar, Boštjan; Antonović, Alan; Jones, Dennis
10:00	Use of Low-grade Feedstock and Torrefaction in the Production of Industrial Wood Pellets Dujmović, Marin; Radmanović, Kristijan; Jurčević, Ante; Kalaica, Nikola; Plečko, Marcela; Šafran, Branimir
10:15 - 11:00	Coffee break and poster section
11:00 - 12:30	Session 4
11:00	Modelling of Technological Parameters of CNC Milling of Native Wood Species based on the Targeted Quality Adamčík, Lukáš; Kminiak, Richard; Banski, Adrián
11:15	Correlation between Characteristics of Growth Increment and Scratching Resistance of Douglas-Fir Wood Žigon, Jure; Merela, Maks; Straže, Aleš; Krapež, Daša, Krže, Luka; Balzano, Angela
11:30	Douglas-fir versus Norway Spruce: Xylogenesis and Growth Stability under Climatic Stress Balzano, Angela; Merela, Maks; Krže, Luka; Žigon, Jure; Čufar Katarina; Straže, Aleš; Krapež, Daša; Zajc, Anže
11:45	Comparative Study of the Role of Lignin and Liquefied Wood in Improving the Physical-Mechanical Properties of Pellets Jurišić, Mario; Rustan, Filip; Matin, Božidar, Pervan Dario; Šafran Branimir; Dujmović, Marin; Antonović, Alan
12:00	Comparative wood anatomy of L-34 clone of <i>Populus deltoides</i> raised by micro- and macro propagation techniques Gautam, Pallavi
12:15	Close of Conference
13:00 – 14:00	Lunch