



WARSAW UNIVERSITY OF LIFE SCIENCES - SGGW

INSTITUTE OF WOOD SCIENCES AND FURNITURE

CONFERENCE PROGRAM

Wood – the material of the 21st century **Woodworking and forestry for material and construction needs in** **an innovative economy**

June 5-6, 2025.

Thursday, June 5, 2025

- 10:00 Registration of participants (building no. 34, floor 1)
- 11:00-11:30 Opening Ceremony (Aula 1)
Phd, DSc Paweł Kozakiewicz, prof. SGGW
- Plenary Session I (Aula 1)
Phd, DSc Grzegorz Kowaluk prof. SGGW
Phd, DSc Agnieszka Jankowska
- 11:30-11:50 Magdalena Daria Vaverková - Closed-Loop Economy in Japanese Wooden Architecture: Tradition, Innovation, and Pathways to Sustainable Development (presentation language: ENG)
- 11:50-12:10 Stanisław Parzych - Trends in the supply of wood raw material to the domestic market (presentation language: PL)
- 12:10-12:30 Daniel Pociecha - QUTRIX wooden blocks as a bridge that is a combination of traditional material, modern manufacturing technologies and production quality control (presentation language: ENG)
- 12:30-12:50 Jarosław Szaban - Volume Value changes of oak and birch wood depending on the manner of manipulation (język referatu: PL)
- 12:50-13:10 Daniel Pociecha - Wood as a construction material in the KINGDOMY building technology, combining the use of hybrid natural materials and self-clamping prefabricated wooden beam elements (presentation language: ENG)
- 13:10-13:15 Session summary
- 13:15-14:00 Coffee break + Poster session *



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Thematic session I (Aula 1)

Phd, DSc Piotr Borysiuk, prof. SGGW

Phd, DSc Izabela Burawska

- 14:00-14:20 Katarzyna Oramus - Gold and Silver Treasure and the Authenticity of Wood in an Exceptional Showcase (presentation language: ENG)
- 14:20-14:40 Daniel Mellqvist - Interrelation of Local Density Variations with Cutting Forces in Wood Through Full-Field Force Mapping (presentation language: ENG)
- 14:40-15:00 Patrycja Kulak - Technical quality of common beech (*Fagus sylvatica* L.) wood from the Kartuzy forest district (presentation language: ENG)
- 15:00-15:20 Stańczyk Kacper, Sydor Maciej - Comparative Analysis of Usable Volume in Cabinet Furniture Drawers (presentation language: ENG)
- 15:20-15:40 Patryk Król - Computer Vision in research work in Wood Technology (presentation language: ENG)
- 15:40-15:45 **Session summary**

Thematic session II (room 1/28)

Phd, DSc Sławomir Krzosek, prof. SGGW

Phd, DSc Mirela Tulik, prof. SGGW

- 14:00-14:20 Wojciech Jasiński - Wood-PLA Composites in Fused Deposition Modeling: How Filler Particle Size Affects Printability and Strength (język referatu: PL)
- 14:20-14:40 Monika Sołowiecz - Spectroscopic methods for determining the technical properties of Scots pine wood (język referatu: PL)
- 14:40-15:00 Patryk Jóźwik, Paweł Kozakiewicz - Selected properties of wood from 31-year-old Turkish oak trees from the experimental plot of the forest Arboretum in Rogów (język referatu: ENG)
- 15:00-15:20 Aneta Skręta - TGA and FTIR as tools for characterizing Scots pine (*Pinus sylvestris* L.) wood of different origins from the experimental plot in Rogów (język referatu: PL)
- 15:20-15:40 Nikola Kucharczyk, Dominika Szadkowska, Jan Szadkowki - Refining of wood raw material using a natural dye of plant origin (*Isatis tinctorum* L.) (język referatu: PL)
- 15:40-15:45 **Session summary**
- 16:00 -17:30 **Historical and dendrological walk through the historic SGGW park in Ursynów (meeting point: entrance to building no. 34 from the underground car park)**
- 18:00 **Conference Dinner (Limba Restaurant, building no. 39, ul. Nowoursynowska 161)**



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*) Poster session

1. Joanna Koszewska - Finnish Houses Technology in Warsaw in the Context of the Local Wooden Architecture Heritage
2. Izabela Betlej, Bogusław Andres - The effect of graphene oxide on structural changes and properties of wood
3. Patrycja Zatoń - FURNITURE-LCA: Empowering Furniture Companies with Life Cycle Assessment for Sustainable Practices
4. Małgorzata Walkowiak, Magdalena Witczak, Wojciech Cichy, Magdalena Czajka, Patrycja Kwaśniewska-Sip - Residues from the wood-based panel industry as a raw material for the production of biochar
5. Magdalena Czajka, Patrycja Kwaśniewska-Sip, Małgorzata Walkowiak, Magdalena Witczak - The effect of conditions in which furniture is used on the quality of indoor air in residential rooms
6. Katarzyna Marciszewska, Jan Szadkowski, Andrzej Szczepkowski, Hubert Lachowicz, Andrzej Antczak, Dominika Szadkowska, Jakub Suchodolski - Pyrolytic analysis of black cherry wood (*Prunus serotina*) from its primary and secondary range of occurrence
7. Hubert Lachowicz – Sekretera-serwantka kolbuszowska
8. Kryštof Kubista, Tadeáš Zachara - Foamed wood as Thermal insulation
9. Bogusław Andres, Izabela Betlej - Analysis of the Factors Leading to the Degradation of Wooden Cultural Heritage Based on the Example of a 16th-Century Sacred Monument in Poland



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Friday, June 6, 2025

10:00-10:30 Opening of the Wood Festival (Aula 1)
Phd, DSc. Paweł Kozakiewicz, prof. SGGW
MSc Robert Jaśkiewicz

Plenary Session II (Aula 1)

Prof. Mariusz Mamiński

Prof. Piotr Przybysz

with the participation of representatives of the Ministry of Development and Technology

10:30-10:50 Paweł Kozakiewicz, Piotr Borysiuk, Ewa Ingeborga Kotwica - Wooden construction in Poland – opportunities and barriers (presentation language: PL)

10:50-11:10 Anna Stefańska, Ewa Ingeborga Kotwica, Marek Beśka, Sławomir Krzosek, Paweł Kozakiewicz, Eugeniusz Koda - The Centre for Timber and Wooden Structures at the Warsaw University of Life Sciences - comprehensive support for wooden construction in Poland (presentation language: PL)

11:10-11:30 Agnieszka Starzyk, Katarzyna Walasek, Przemysław Łacek - Wooden Architecture in Poland After 2000: Aesthetics, Function, and Social Perception (presentation language: PL)

11:30-11:50 Agnieszka Mandziuk - Silvatourist product as an alternative source of income in forestry (presentation language: PL)

11:50-12:10 Magdalena Witczak - Climate neutrality of the wood industry through recovery of volatile organic compounds (presentation language: PL)

12:10-12:15 **Session summary**

12:15-12:50 **Coffee break**

Thematic session III (Aula 1)

Phd, DSc Piotr Borysiuk, prof. SGGW

Phd, DSc Grzegorz Kowaluk, prof. SGGW

Agnieszka Jankowska - How genetic origin of Scots pine affects juvenile wood proportion? (presentation language: PL)

13:10-13:30 Agnieszka Wasilewska, Ewelina Depczyńska - Flame retardant treatment of plywood intended for construction (presentation language: ENG)



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- 13:30-13:50 Michał Golański, Justyna Juchimiuk - The use of wood-based materials in the design and implementation of non-standard structural forms (presentation language: PL)
- 13:50-14:10 Kamila Przybysz - Utilization of microfibrillated cellulose extracted from recovered paper processing residues for the development of sustainable construction composites (presentation language: PL)
- 14:10-14:30 Joanna Wachowicz - Application of FAST (Field Assisted Sintering Technology) techniques to the production of tools for the processing of wood-based materials (presentation language: PL)
- 14:30-14:35 **Session summary**

Thematic session IV (room 1/28)

Phd, DSc Sławomir Krzosek, prof. SGGW
Phd, DSc Teresa Kłosińska

- 12:50-13:10 Katarzyna Śmietańska, Jarosław Górski - Impact of size and color knots on relative visual attractiveness of furniture fronts made of pine wood (*Pinus sylvestris* L.) (presentation language: PL)
- 13:10-13:30 Michał Rykaczewski - Review of contemporary wood preservatives and flame retardants intended for use in polish civil engineering. Analysis of law and normative issues connected with improving timber properties by chemical agents (presentation language: PL)
- 13:30-13:50 Muchammad Effsal Hadinata, Paweł Kozakiewicz Radial variability of selected properties of fir wood of different origins determined by the ultrasonic method (presentation language: ENG)
- 13:50-14:10 Radosław Wąsik - Variability of the modulus of rupture of the "Istebna" Norway spruce (*Picea abies* (L.) H. Karst) wood (presentation language: PL)
- 14:10-14:30 Łukasz Adamik - Methods for determining and factors influencing the occurrence of laminate damages during the machining of particleboard (presentation language: PL)
- 14:30-14:35 **Session summary**
- 14:35-14:50 **Closing ceremony (Aula 1)**
PhD, DSc Paweł Kozakiewicz, prof. SGGW
- 15:00 Lunch time (Kartka Buffet, building no. 34, level -1, ul. Nowoursynowska 159)



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