



July 14 – 17, 2026
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FOREST
PRODUCTS
SOCIETY

INTERNATIONAL
CONFERENCE

2026

*Innovating Tradition:
Shaping the Next Era of
Forest Products*



www.fpsconference.org



WELCOME

Welcome to the **2026 Forest Products Society International Conference!** As President of the Forest Products Society, it is my great pleasure to welcome colleagues from industry, academia, government agencies, research organizations, and students from around the world. I am delighted to have the opportunity to meet so many talented professionals who share a passion for advancing the science, technology, and sustainable use of forest resources.

This conference brings together experts working across a wide range of topics, including wood science, sustainable biomaterials, engineered wood products, mass timber, forest products manufacturing, bio-based materials and chemicals, biochar, renewable energy, wood preservation, recycling and the circular bioeconomy, forest operations, and emerging digital technologies such as artificial intelligence. Over the coming days, we will exchange ideas, showcase innovative research, discuss current challenges, and explore new opportunities for collaboration that will help shape the future of our profession.

I hope you enjoy an engaging and rewarding conference filled with meaningful discussions, new partnerships, and lasting friendships. Thank you for being part of our Forest Products Society community, and I look forward to meeting you throughout the conference.



Gloria Oporto

Chair, Forest Products Society International Conference

Associate Professor, School of Natural Resources & The Environment

West Virginia University

TO FPS IC 2026

Welcome to Eugene! Your attendance and participation is greatly appreciated as we gather with colleagues from industry, academia, and government to explore the latest advances in wood composites and wood science. This conference provides a valuable opportunity to share new research, discuss emerging technologies, and strengthen collaborations that will shape the future of sustainable materials and manufacturing.

As President-Elect, my goal is to help grow the society by advancing our mission: *Contribute to global stewardship by encouraging the social, economic and environmentally sustainable use of wood and other renewable cellulosic materials.* I also aim to strengthen member engagement, address the needs and concerns of our industrial members, and foster stronger relationships among industry, academia, and government. I welcome your ideas on how we can continue to strengthen FPS and better serve our members.

Thank you for joining us. I hope you have an informative, engaging, and productive conference.

Joseph Marcinko



Co-Chair, Forest Products Society International Conference

Founder, President, and Principal Scientist

Polymer Synergies





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- Water-based and 2K defect repair
- Bio-based chemical solutions
- Robotics & automation systems



CONTENTS

Welcome.....	2
Conference Organizing Committee.....	5
FPS Executive Board.....	6
Sponsors.....	7
Schedule	8
Full Agenda	12
Posters.....	21

2026 CONFERENCE ORGANIZING COMMITTEE

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Associate Professor, School of Natural Resources & The Environment, West Virginia University

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Founder, President, and Principal Scientist, Polymer Synergies

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Professor, College of Forestry, Wood Science & Engineering, Oregon State University

Patricia Vega Gutierrez

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Professor, College of Forestry, Oregon State University & JELD-WEN Chair of Wood-Based Composites Center

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EDITORS

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- ***Wood Design Focus***: Jacob Gines, Mississippi State University

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SCHEDULE

TUESDAY, JULY 14

7:30 AM - 5:00 PM | TOUR TRACKS: PRE-REGISTRATION REQUIRED

10:00 AM - 4:00 PM | CONFERENCE & POSTER SETUP

5:00 - 7:00 PM | WELCOME RECEPTION

WEDNESDAY, JULY 15

7:30 - 8:00 AM | BREAKFAST

- The Graduate Eugene Conference Center

7:30 AM - 5:00 PM | REGISTRATION

8:30 - 10:00 AM | OPENING KEYNOTE SESSION

10:00 - 10:30 AM | TIME OUT WITH SPONSORS

10:30 AM - 12:00 PM | CONCURRENT SESSIONS

- Transforming Byproducts Into Resources: Emerging Applications Of Biochar I
- The Future Of The Forest-Based Sector I
- LCA & Sustainability, Carbon Capture I

12:00 - 1:30 PM | LUNCH & WOOD SCIENCE BOWL

1:30 - 3:00 PM | CONCURRENT SESSIONS

- Transforming Byproducts Into Resources: Emerging Applications Of Biochar II
- The Future Of The Forest-Based Sector II
- Advancing Mass Timber: Research, Innovations, and Sustainable Solutions I

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3:00 - 3:30 PM | TIME OUT WITH SPONSORS

3:30 - 5:00 PM | CONCURRENT SESSIONS

- Trends In Education & Workforce Development Practices I
- Advancing Mass Timber: Research, Innovations, and Sustainable Solutions II
- Sustainability Beyond Wood In Wood Composite Manufacturing

5:00 - 8:00 PM | POSTER RECEPTION & NETWORKING

8:00 - 9:00 PM | EUGENE PUB CRAWL

THURSDAY, JULY 16

7:30 - 8:00 AM | BREAKFAST

- The Graduate Eugene Conference Center

7:30 AM - 5:00 PM | REGISTRATION

8:30 - 10:00 AM | MORNING PLENARY SESSION

10:00 - 10:30 AM | TIME OUT WITH SPONSORS

10:30 AM - 12:00 PM | CONCURRENT SESSIONS

- Advancing Mass Timber: Research, Innovations, and Sustainable Solutions III
- Trends In Education & Workforce Development Practices II
- Recent Advances In Binder & Adhesive Technologies I

12:00 - 1:30 PM | LUNCH & FPS UPDATES AND OFFICER TRANSITION

1:30 - 2:30 PM | INDUSTRY ROUNDTABLE DISCUSSION

2:30 - 4:00 PM | CONCURRENT SESSIONS

- Advancing Mass Timber: Research, Innovations, and Sustainable Solutions IV
- Engineered Wood Processing: Challenges & Innovations
- General Session I

4:00 - 4:15 PM | TIME OUT WITH SPONSORS

4:15 - 5:30 PM | CONCURRENT SESSIONS

- TIG Meeting: Mass Timber
- General Session II
- Recent Advances In Binder & Adhesive Technologies II

5:30 - 8:00 PM | PAUL BUNYAN AWARDS & CONFERENCE BANQUET

FRIDAY, JULY 17

8:00 - 11:00 AM | FPS BOARD OF DIRECTORS ANNUAL IN-PERSON MEETING

- By invitation only
-



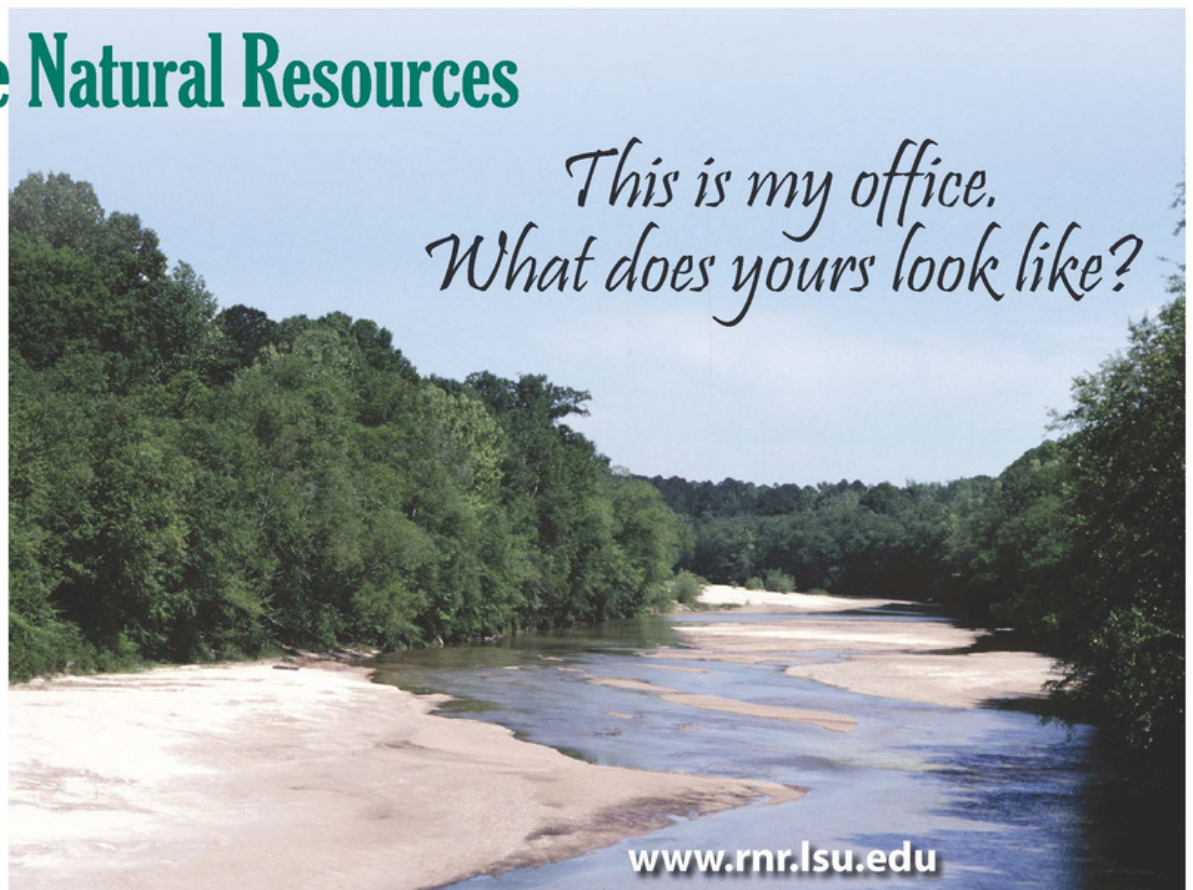
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AGENDA

NOTE: these presentations are subject to change and the list is current as of June 30, 2026

WEDNESDAY, JULY 15

7:30 - 8:30 AM | BREAKFAST | THE GRADUATE EUGENE CONFERENCE CENTER

7:30 AM - 5:00 PM | REGISTRATION

8:30 - 10:00 AM | WELCOME & KEYNOTE | PLAYWRIGHT'S HALL

MODERATOR: Dr. Gloria Oporto, Associate Professor, West Virginia University

- *Growing With The Industry: A Career Perspective On The Willamette Valley Company And The Next Chapter With Arclin*, Robert Pitts, Executive Vice President of Global Wood, The Willamette Valley Company, an Arclin Brand
- *Wood Beyond Structure: Toward Functional And Adaptive Materials*, Orlando Rojas, Director, Bioproducts Institute, University of British Columbia
- *TallWood Design Institute*, Judith Sheine, Professor, University of Oregon, TallWood Design Institute

10:00 - 10:30 AM | TIME OUT WITH SPONSORS

10:30 AM - 12:00 PM | CONCURRENT SESSIONS

Session A (Sousa) Transforming Byproducts Into Resources: Emerging Applications Of Biochar I

~ Moderator - Dr. Ling Li, Associate Professor, University of Maine

- *Quantifying Terpene Recovery Potential From Pellet Mill Emissions: A Pathway To Sustainable Aviation Fuel Feedstocks*, Maggie Davis, R&D Staff Scientist & Systems Engineering PhD Student (presented on behalf of Latif Patwary)
- *Biochar From Wood Residues: Innovations, Collaborations, and Market Opportunities*, Thomas Miles, President, TR Miles Technical Consultants, Inc.
- *Optimizing Plant And Soil Response To Drought Conditions Via Biochar, Fertilizer, And Chitosan Amendments*, Gloria Oporto, Associate Professor, West Virginia University
- *Effect Of Pyrolysis Conditions On Biochar For Additive Manufacturing Applications*, Sodiq Yusuf, Graduate Research Assistant, University of Idaho

Session B (Bloch) The Future Of The Forest-Based Sector I

~ Moderator - Silessh Adhikari, Dir. of Research & Dev., National Hardwood Lumber Assn.

- *Sustainable Development And International Framework: Overview And Analysis In Forests And Forest Products Strategies*, Annika Hyytiä, Doctoral Researcher, University of Helsinki
- *Disruption At The Interface Of Forests And Wood-Based Textiles: Public Awareness & Adoption Potential*, Joonä Myllärniemi, Doctoral Researcher, University of Helsinki
- *Consumer Acceptance And Perceptions On Wood-Based Clothing Quality*, Linnea Raaska, Doctoral Researcher, University of Helsinki
- *Temporal Trends In The Displacement Factor Of Fuelwood: Assessment Of 27 Application Scenarios From 1990 To 2023*, Yang Xu, PhD Researcher, University of Eastern Finland

Session C (Joplin) LCA And Sustainability, Carbon Capture I

~ Moderator - Indroneil Ganguly, Associate Professor, University of Washington

- *The FACT (Forestry Analytics for Carbon Tracking) Platform: A New Resource For Forest And Wood Product Carbon Data*, Edie Sonne Hall, Founder and Principal, Three Trees Consulting
- *Life Cycle Assessment Of Glue-Laminated Timber Production From Indonesia With Consideration Of Land Use Change*, Karisha Hariadi, Graduate Research Assistant, University of Washington
- *Life Cycle Assessment Of Carbon Mitigation Strategies In Mid-Rise Timber Buildings Through Domestic Timber Supply And Reforestation*, Hyeonwoo Jeong, PhD Student, Gyeongsang National University
- *Thirteen Percent Of Canada's Softwood: Establishing The First National LCI Baseline For The Wooden Pallet Sector*, Janine LeFort, PhD Student, The Centre for Packaging Innovation and Sustainability, Toronto Metropolitan University

12:00 - 1:30 PM | LUNCH & WOOD SCIENCE BOWL | PLAYWRIGHT'S HALL

1:30 - 3:00 PM | CONCURRENT SESSIONS

Session A (Sousa) Transforming Byproducts Into Resources: Emerging Applications Of Biochar II

~ Moderator - Dr. Ling Li, Associate Professor, University of Maine

- *Decision Support Systems For Biomass And Co-Products*, Maggie Davis, R&D Staff Scientist & Systems Engineering PhD Student
- *Valorization Of Douglas Fir And Low Density Polyethylene Through Co-Pyrolysis*, Muhammad Umer Qadeer, Graduate Student, Oregon State University
- *Advanced Supply Chain Engineering To Support Fuel Treatment And Forest Restoration*, Jinghan Zhao, Researcher Assistant, North Carolina State University
- *Woody Biochar From Forest Residues Improves Soil Moisture Stability And Nutrient Availability In Maine Wild Blueberry*, Ling Li, Associate Professor, University of Maine

Session B (Bloch) The Future Of The Forest-Based Sector II

~ Moderator - Sailesh Adhikari, Dir. of Research & Dev., National Hardwood Lumber Assn.

- *Detecting Glue-Line Skips In Veneer-Based Mass Timber Elements Using Ultrasound And Machine Learning*, Autumn Battisti, Graduate Student, Oregon State University
- *Prediction Of Cross-Laminated Timber Delamination Using Ultrasound Testing And Machine Learning*, Ashley McCann, PhD Student, Oregon State University
- *Non-Destructive Evaluation Of Simulated Railroad Ties Using Ground Penetrating Radar*, Umesh Lamichhane, Graduate Research Assistant, Mississippi State University
- *The Future of Forest Products in North America within Global Trade*, Thomas Walther, Head of Wood Products, AFRY Management Consulting GmbH

Session C (Joplin) Advancing Mass Timber: Research, Innovations, and Sustainable Solutions I

~ Moderator - Levente Denes, Associate Professor, West Virginia University

- *Mechanical And Structural Performance Of Cross-Laminated Timber Panels Manufactured From Thermally Modified Lumber*, Pouria Bahmani, Assistant Professor, Structural Engineering, Washington State University
- *Tunable Hollow-Core Cassette Floor Panels For Acoustical Performance And Fiber Reduction*, Helene Brehl, Graduate Student, University of Oregon
- *Cyclic Behavior Of U.S. Prescriptive Code Connectors Using Reduced Length Fasteners In Mass Ply Panel (MPP)*, Aanisa Gani, Postdoctoral Scholar, Oregon State University
- *Characteristic Withdrawal Capacity Of Self-Tapping Screws In Selected North American Hardwood Species*, Levente Denes, Associate Professor of Sustainable Biomaterials, West Virginia University
- *Prototyping Mass Plywood Workforce Housing*, Judith Sheine, Professor, University of Oregon, TallWood Design Institute

3:00 - 3:30 PM | TIME OUT WITH SPONSORS

3:30 - 5:00 PM | CONCURRENT SESSIONS

Session A (Sousa) Trends In Education & Workforce Development Practices I

~ Moderator - Carlos Lee, P.E., M.Engr., University of Puerto Rico

- *Educating The Next Generation Of Mass Timber Architects: A Decade Of Pedagogical Innovation*, Jacob Gines, MLMA Endowed Associate Professor, Mississippi State University
- *Shaping The Future Workforce: Digitalization, Green Skills, Circularity, And Sustainability In Forest Products Education*, Jaan Kers, Professor, Tallinn University of Technology

- *Recruiting The Next Generation: Strategies For Increasing Enrollment In Wood Science, Forestry, And Sustainability Degrees*, Carlos Lee, P.E., M.Engr., University of Puerto Rico
- *The Future Of Wood Science Education: Industry Skills, Curriculum Design, And Enrollment Challenges*, Mercy Ogunruku, Graduate Research Assistant, Mississippi State University

Session B (Joplin) Advancing Mass Timber: Research, Innovations, and Sustainable Solutions II

~ Moderator - Levente Denes, Associate Professor, West Virginia University

- *Effect Of Thermal Modification On The Fire Performance Of Strand-Based Mass Timber Composite Panels*, Avishek Chanda, Assistant Research Professor, Washington State University
- *Analysis Of Shrinkage Behavior Mechanisms Based On Wood Anatomical Characteristics*, Min Ji Kim, PhD Candidate, Chungbuk National University
- *Indirect Stress Wave Method (NDT) For Quantitatively Evaluating Performance Degradation Of Rafter Members*, Kugbo Shim, Professor, Chungbuk National University
- *An Exploratory Analysis Of Perceptions And Understanding Of Cross-Laminated Timber In The U.S. South: 2018 & 2025*, Richard Vlosky, Professor, Louisiana State University
- *Comparison Of Vibration And Stress Wave NDE Methods With Static Bending For Hardwood Lumber Elasticity*, Levente Denes, Associate Professor, West Virginia University
- *Developing An Application For Mass Timber Panels In Seismic And Energy Facade Retrofits*, Mark Fretz, Assistant Professor, University of Oregon
- *Physical And Mechanical Properties Of Strand-Based Wood Panels Manufactured From Thermally Modified Balsam Fir Wood Strands*, Joseph Roberson, Graduate Research Assistant, Washington State University

Session C (Bloch) Sustainability Beyond Wood In Wood Composite Manufacturing

~ Moderator - Thomas Black, EWP Laboratory Coordinator, Boise Cascade

- *Structural Performance And Mechanical Behavior Of Connections In Thermally Modified Cross-Laminated Timber Panels*, Pouria Bahmani, Assistant Professor, Structural Engineering, Washington State University
- *Sound Absorption Properties Of Wood-Mycelium Composites Made From Ganoderma Resinaceum And Hemp Or Beech Sawdust*, Silvana Calvano, PhD Student, DISAFA, Università di Torino
- *Improving Thermal Stability Of Cellulose Composite Feedstocks For Injection Molding*, Sanjita Wasti, Postdoctoral Research Associate, Oak Ridge National Laboratory
- *Optimizing The Performance Of 3D Printed Polyurethane Wood Composites*, Dylan Willard, Graduate Student, University of Idaho

5:00 - 8:00 PM | POSTER RECEPTION & NETWORKING | PLAYWRIGHT'S HALL

8:00 - 9:00 PM | EUGENE PUB CRAWL

THURSDAY, JULY 16

7:30 - 8:30 AM | BREAKFAST | THE GRADUATE EUGENE CONFERENCE CENTER

7:30 AM - 5:00 PM | REGISTRATION

8:30 - 10:00 AM | PLENARY | PLAYWRIGHT'S HALL

MODERATOR: Dr. Joseph Marcinko, Principal Scientist and President, Polymer Synergies

- *Intellectual Property Issues In Forest Products*, Lawson Fite, Shareholder, Schwabe
- *AI In Wood Industry: Opportunities And Challenges*, Vahid Nasir, Assistant Professor, Oregon State University
- *Forest Products and Wildfires: Building Code Requirements*, Loren Ross, Code Compliance Engineer, Arclin

10:00 - 10:30 AM | TIME OUT WITH SPONSORS

10:30 AM - 12:00 PM | CONCURRENT SESSIONS

Session A (Sousa) Advancing Mass Timber: Research, Innovations, and Sustainable Solutions III

~ Moderator - Levente Denes, Associate Professor, West Virginia University

- *Characterization Of Small-Plate Shear Connectors For Nail-Laminated Timber-Concrete Composite Floors*, Ian Morrell, Assistant Professor, Tennessee Tech University
- *Notch Delamination As Lens For Predicting Failure In Veneer-Based Composites Including Environmental Stresses*, Samuel Ayeni, Graduate Student, Oregon State University
- *The Market Value Of Mass Timber: Comparative Leasing And Occupancy Performance Of Mass Timber & Conventional Class A Office Buildings*, Miles Williams, Research Fellow, Method Studio
- *Development Of A North American Industry Standard For Thermally Modified Wood*, Sailesh Adhikari, R&D Director, National Hardwood Lumber Association
- *Investigating Evolution Of Shear Failure Of A 3-Ply Hardwood And Softwood Cross-Laminated Timber Using Acoustic Emission Technology*, Harika Undadi, Graduate Student, Mississippi State University

Session B (Bloch) Trends In Education & Workforce Development Practices II

~ Moderator - Carlos Lee, P.E., M.Engr., University of Puerto Rico

- ***Bridging The Gap: Integrating Immersive Design, Thinking And Circularity Into Wood Science Education***, Rico Ruffino, Assistant Professor of the Practice of Industrial & Product Design, North Carolina State University
- ***The Integration Of Forestry/Biomass Content Into Curriculum Development Of New Engineering Degree Program***, Lee Smith, Assistant Professor, Northeastern State University

Session C (Joplin) Recent Advances In Binder & Adhesive Technologies I

~ Moderator - Mercy Itunu Ogunraku, Graduate Research Assistant, Mississippi State University

- ***Biobased Tannin-PRF Hybrid Resins For Extruded & 3D-Printed Wood Composites***, Shafaet Ahmed, Post-Doctoral Scholar, University of Idaho
- ***Wood Protection Properties Of In-Situ Zinc Oxide-Pyrolysis Oil Cement Complex***, Courage Alorbu, Post-Doctoral Scholar, University of Idaho
- ***Reducing The Carbon Footprint Of Wood Adhesives With Soy***, Steve Block, Director of Business Development, Omni Tech International
- ***Apple Pomace And Potato Peel Waste Fermentation Broth As Potential Biobased Road Deicer Additives***, Listowell Darko, Graduate Research Assistant, University of Idaho

A recruitment poster for the Mississippi State University Department of Sustainable Bioproducts. The background is a blurred image of a person in a blue lab coat working in a laboratory setting. The poster features the Mississippi State University logo (a red 'M' with 'STATE' in a banner) and the text 'MISSISSIPPI STATE UNIVERSITY™ DEPARTMENT OF SUSTAINABLE BIOPRODUCTS'. A large maroon rounded rectangle contains the text 'JOIN US AND LEAD THE FUTURE OF RENEWABLE MATERIALS.' Below this, a list of bullet points highlights 'Hands-on experience', 'Industry partnerships', and 'Federally funded projects', followed by the text 'Competitive graduate assistantships available.' At the bottom, it says 'LEARN MORE AT: BIOPRODUCTS.MSSTATE.EDU' and 'Equal Opportunity Employer' with a horizontal line.

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12:00 - 1:30 PM | LUNCH & FPS UPDATES AND OFFICER TRANSITION

1:30 - 2:30 PM | INDUSTRY ROUND TABLE DISCUSSION | PLAYWRIGHT'S HALL

~ Moderator - Jesse Paris, Director of R&D, Willamette Valley Co.

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2:30 - 4:00 PM | CONCURRENT SESSIONS

Session A (Sousa) Advancing Mass Timber: Research, Innovations, and Sustainable Solutions IV

~ Moderator - Levente Denes, Associate Professor, West Virginia University

- *Experimental Investigation Of Cyclic Behavior Of Moment Resisting Connections For GLT*, Minsoon Park, Graduate Student, Chungbuk National University
- *Design And Evaluation Of Strand-Based Layered Engineered Lumber*, Aadarsha Lamichhane, Graduate Research Assistant, Mississippi State University
- *Integrated Design And Additive Manufacturing For Improved Acoustic And Thermal Performance Of Mass Timber Components Using Soil, Hemp And Forestry Waste Products*, Daisy Xia, Graduate Student, Wood Lab - University of Oregon
- *Physics-Informed Data Driven Machine Learning Model For Predicting Permeability And Water Vapor Resistance Factor For Cross-Laminated Timber*, Abasali Masoumi, Postdoctoral Researcher, Virginia Tech University
- *Effect Of Lamination Thickness Variation On Adhesive Redistribution And Bond Integrity In Cross-Laminated Timber Layups*, Samson Micheal Idoghor, PhD Graduate Research Assistant, Oregon State University
- *Mechanical Characteristics Of Small Clear Specimens From Graded Structural Ponderosa Lumber From Forest Thinnings*, Elijah Olawumi, Graduate Student, Oregon State University

Session B (Bloch) Engineered Wood Processing: Challenges & Innovations

~ Moderator - Carlos Lee, P.E., M.Engr., University of Puerto Rico

- *From Low-Value Aspen To High-Performance Material: Effects Of Novel Peeling Approaches*, Heikko Kallakas, Assistant Professor, Tallinn University of Technology
- *Material Property Characterization Of 3D Printed Polypropylene Wood Plastic Composites*, Douglas Gardner, Professor Emeritus, University of Maine
- *Evaluation Of Mechanical And Durability Properties Of Selected Wood Species Following Thermal Modification*, Sayofunmi Adegbebo, Graduate Student, University of Minnesota
- *Curved Corrugated Panels: A Structural Evaluation For The Optimization Of High-Performance Engineered Wood Beams*, Arun Kuttoor Vasudevan, Graduate Research Assistant, Mississippi State University

Session C (Joplin) General Session I

- *BVOC Emissions From Wood Under Varying Humidity And Their Biological Evaluation*, Jiyeong Byeon, Graduate Student, Gyeongsang National University
- *Nanoscale Mechanisms Underlying Dimensional Stability In Densified Wood*, Catherine Kilumets, Early Stage Researcher, Tallinn University of Technology
- *Fusion Of Convolutional Neural Network (CNN) And Texture Features For Wood Chip Moisture Content Prediction*, Tilak Neupane, Graduate Research Assistant, Mississippi State University
- *Durability Assessment Of Currently Available Thermally Modified Wood Commodities Sold In United States*, Diego Ramirez, Research Assistant, Oregon State University

4:00 - 4:15 PM | TIME OUT WITH SPONSORS

4:15 - 5:30 PM | CONCURRENT SESSIONS

Session A (Sousa) TIG Meeting: Mass Timber

~ Moderator - Levente Denes, Associate Professor, West Virginia University

Session B (Bloch) General Session II

- *Low-Temperature Densification Of Underutilized Hardwood Veneers*, Silvi Treial, Early Stage Researcher, Tallinn University of Technology
- *Tannin Extraction From Low-Value Biomass And Thermochemical Assessment Of Extraction Residues*, Augustine Sackey, PhD Student, University of Idaho
- *Evaluation Of Lipid Accumulation In Yarrowia Lipolytica Using Natural And C-13 Labeled Glucose*, Oluwatobiloba Adeyemi, Graduate Student, University of Idaho

Session C (Joplin) Recent Advances In Binder & Adhesive Technologies II

~ Moderator - Mercy Itunu Ogunraku, Graduate Research Assistant, Mississippi State University

- *Cardanol-Based Epoxy Resins As Bisphenol-A Epoxy Alternative In Wood-Epoxy Composite: Performance & Extrudability*, Liang Liang, Post-Doctoral Fellow, University of Idaho
- *Performance Evaluation Of Neem Gum As Sustainable Bio-Adhesive For Medium Density Fibreboard From Gliricidia Sepium*, Ayodeji Olludare Omole, Professor, University of Ibadan
- *Effect Of Phenol Formaldehyde Molecular Weight On Infiltration Into Wood Cell Wall*, Razia Sultana Popy, Graduate Research Assistant, Oregon State University
- *Binder-Free Low-Density Packaging Materials From Hemp Hurd*, Shuaib Mubarak, Student, Oregon State University

5:30 - 8:00 PM | PAUL BUNYAN AWARDS & CONFERENCE | PLAYWRIGHT'S HALL



POSTERS

Those marked SPC are part of the student poster competition

NOTE: these posters are subject to change and the list is current as of June 30, 2026

- P-2 Assessing the Innovativeness of Primary Processors and Their Interest in New Biomass Solutions: Odelia Okai, Graduate Research Assistant, Oregon State University
- SPC-3 Detecting Glue-Line Skips in Veneer-Based Mass Timber Elements Using Ultrasound and Machine Learning: Autumn Battisti, Graduate Research Assistant, Oregon State University
- P-4 A Machine Learning-Enhanced Framework for Bolt Tightness Identification in Timber Connections via Acoustic Signature Analysis: Chun-Yu Lin, Oregon State University
- SPC- 5 Effect of Biochar on Wettability, Mechanical and Thermal Properties of wood Sodium Silicate Composites: Sodiq Babatunde Yusuf, Graduate Research Assistant, University of Idaho
- P-6 Optimizing Microwave Pre-Treatment Conditions for Improved Bond Quality in Southern Yellow Pine LVL: Shuaib Mubarak, Postdoctoral Scholar, Oregon State University
- SPC-7 Outdoor Moisture Durability of Hybrid Cross-Laminated Timber: Abasali Masoumi, Master's Student, Virginia Tech
- P-8 Structural Safety-Based Alternative Design and Carbon Substitution Analysis of Hybrid Timber–Steel Systems for Vertical Extension Remodeling: Keon-Ho KIM, Research Official, National Institute of Forest Science
- SPC-9 Application of Biochar in Geotechnics: Enhancing pH Buffering Capacity of Soil: Bhawana Dhakal, Oregon State University



POSTERS

Those marked SPC are part of the student poster competition

NOTE: these posters are subject to change and the list is current as of June 30, 2026

- SPC-11 Extraction, Characterization and Adhesive Application Potential of Biomass-Derived Tannins: Augustine J. Sackey, Research Assistant, University of Idaho
- SPC-13 Effects of Ultraviolet Irradiation and Ultrasonic Sonication on Biochar for Methylene Blue Adsorption: Madeline Gnann, Graduate Research Assistant, Mississippi State University
- SPC-15 Effect of Thermo-Hydro-Mechanical Treatment on Adhesive Performance of Hardwoods: Kevin Mongold, Undergraduate Student, West Virginia University
- SPC-17 Optimizing Pelletized Wood with Lignin Additives for High-Performance Biochar: Ethan Currey, West Virginia University
- SPC-19 Mapping CLT and GLT Production Capacity and Dynamics in Europe's Growing Mass Timber Market: Peter Romih, MSc student, UP FAMNIT; Junior researcher, InnovaWood
- SPC-21 Sustainable Extraction of Hydrolysable Tannins from Staghorn Sumac to Support Appalachian Forest Economies: Rhianne Markovchick, Undergraduate Student, West Virginia University
- SPC-23 Machine Learning Approach to Decay and Defect Detection in Mass Timber Buildings Using the Resistance Drilling Technique: Opeyemi Odule, Graduate Research Assistant, Oregon State University
- SPC-25 Understanding Elevated Temperature Response of Wood and Wood-based Composites: Samuel Olajide, Graduate Research Assistant, Oregon State University
- SPC- 27 Investigating the Evolution of Shear Failure in CLT Transverse Layer Using Acoustic Emission (AE): Harika Undadi, Master's Student, Mississippi State University
- SPC- 29 Radial Variation of Density and Extractives in Coast Redwood: Galen O Fox, PhD Candidate, Oregon State University

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