

A photograph of the Wisconsin State Capitol building and the Wisconsin State Fairgrounds waterfront building. The Capitol building is a large, white, classical-style building with a prominent dome. The waterfront building is a modern, white, curved building with large arched windows. The buildings are situated on a waterfront with a body of water in the foreground. The sky is clear and blue.

Forest Products Society 72nd International Convention

June 11-14, 2018
Madison, Wisconsin

Forest Products:
Key To A Sustainable Future

20 Convention Program

4.2.3: Non-pressure Preservative Options for Military Applications

Stan Lebow, *USDA Forest Products Laboratory*

4.2.4: Does Acetylation Stop Decay By Inhibiting Diffusion?

Christopher Hunt, *USDA Forest Products Laboratory*

4.3: Innovations in Building - Room KLOP

Session Chair: **Paige McKinley**, *Boise Cascade*

4.3.1: Production and Evaluation of Strength and Dimensional Properties of Bamboo - Cement Composites for Use as Low-Cost Building Component

Adeyinka Saheed Adesope, *Forestry Research Institute of Nigeria*

4.3.2: Evaluation of the Potential of White Birch Wood in Structures Assembled with Metal-Plate Connectors

Leandro Passarini, *Université du Québec en Abitibi-Témiscamingue*

4.3.3: Double Shear Connection of Shorea Compression Member Using Double Adhesive Tapes and Lag Screws

Bambang Suryatmono, *Parahyangan Catholic University*

4.3.4: The Emergence of New Mass Timber Products in Oregon: Mass Plywood Panels

Byrne Miyamoto, *Oregon State University*

5:30 pm - 7:30 pm

Poster Session and Student Poster Competition - Grand Terrace/Ballroom A (Joint with Nano)

Poster Competition Chair: **Iris Montague**, *USDA Forest Service*

See Page 28 for list of posters

7:30 pm

Student Pub Crawl - Meet at the Registration Desk

Wednesday, June 13th

8:30 am - 10:00 am

5: Forest Bioeconomy Plenary - Lecture Hall

Session Chair: **Richard Vlosky**, *Louisiana Forest Products Development Center*



5.1: NAFTA: the Stakes for Globalization and American Leadership

Matthew Rooney, *George W. Bush Institute*



5.2: The Emerging Forestry Bioeconomy: Fuels, Chemicals, Advanced Materials, and Carbon Management

Brendan Jordan, *Bioeconomy Coalition of Minnesota (Great Plains Institute)*

10:00 am - 10:30 am

Coffee Break



26 Convention Program

10:00 am - 10:30 am

Coffee Break - Grand Terrace

10:30 am - 12:00 pm

10.1: Mass Timber - Lecture Hall

Session Chair: **Lori Koch**, *American Wood Council*

10.1.1: Seismic Research on Cross Laminated Timber Buildings in North American: An Overview
Shiling Pei, *Colorado School of Mines*

10.1.2: Life Cycle Cost Analysis of Mid-Rise Cross-Laminated Timber Building
Hongmei Gu, *USDA Forest Products Laboratory*

10.1.3: What Do They Think? Public Perceptions of Tall Wood Buildings in the US Pacific Northwest
Pipiet Larasatie, *Oregon State University*

10.1.4: Tensile Strength of Glulam Connection With Glued-in Rod
Bambang Suryatmono, *Parahyangan Catholic University*

10.2: Measuring Properties (Non-Destructive) - Room MNQR

Session Chair: **Xiping Wang**, *USDA Forest Products Laboratory*

10.2.1: Condition Assessment of Timber Bridge Components from U.S. Route 66
Xiaoquan Yue, *Fujian Agriculture and Forestry University*

10.2.2: Assessing Southern Pine 2X8 and 2X10 Lumber Quality Using Longitudinal and Transverse Vibration
Frederico Jose Nistal França, *Mississippi State University*

10.2.3: Defect Classification of Bridge Timber Using Image Processing Algorithms Based on GPR Radargrams
Xi Wu, *Jiangnan University*

10.2.4: Automatic multiple surface feature extraction from sawn board of fibre-managed plantation grown Eucalyptus in Tasmania, Australia
Kent Davis, *University of Tasmania*

10.2.5: Automated Hardwood Lumber Grading: A Proof of Concept Study Grading KD, Rough Lumber
Logan Wells, *Purdue University*

10.3: Fundamentals (Modeling/Predictive Analysis) - Room KLOP

Session Chair: **Nayomi Plaza**, *USDA Forest Products Laboratory*

10.3.1: "PEK-a-boo, I See You": A Critical Reevaluation of the Parallel Exponential Kinetics (PEK) Model
Samuel Zelinka, *USDA Forest Products Laboratory*

