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EcoSynthetix offers a range of sustainable engineered biopolymers that allow customers to reduce their use of harmful materials, such as formaldehyde and styrene-based chemicals. The Company’s flagship products, DuraBind™ and EcoSphere®, are used to manufacture wood composites, paper and packaging, and enable performance improvements, economic benefits and sustainability.

For more information visit www.ecosynthetix.com
## SCHEDULE AT A GLANCE

### TUESDAY, OCTOBER 24

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room</th>
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<tbody>
<tr>
<td>12:30pm-3:00pm</td>
<td>Pre-Conference Workshop: Practical Failure Analysis Techniques for Wood Based Products</td>
<td>Valdosta</td>
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<tr>
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<tr>
<td>12:00pm-5:30pm</td>
<td>Registration</td>
<td>Georgia Registration</td>
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<tr>
<td>5:15pm</td>
<td>Student Meeting</td>
<td>Next to Georgia</td>
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<tr>
<td>5:30pm-7:00pm</td>
<td>Welcome Reception</td>
<td>Garden Courtyard</td>
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### WEDNESDAY, OCTOBER 25

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30am-5:20pm</td>
<td>Registration</td>
<td>Georgia Registration</td>
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<tr>
<td>7:30am-8:30am</td>
<td>AM Continental Breakfast</td>
<td>Georgia Prefunction</td>
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<tr>
<td>8:15am-10:00am</td>
<td>Welcome &amp; Plenary 1</td>
<td>Capitol North</td>
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<tr>
<td>10:00am-10:30am</td>
<td>AM Break</td>
<td>Georgia Prefunction</td>
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<tr>
<td>10:30am-12:00pm</td>
<td>1 - Plenary Session (continued)</td>
<td>Capitol North</td>
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<tr>
<td>12:00pm-1:30pm</td>
<td>Lunch</td>
<td>Georgia 7-10</td>
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<tr>
<td>1:30pm-3:10pm</td>
<td>2A - Bio-Based Adhesives-Renewable Feedstock</td>
<td>Atlanta 1-3</td>
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<tr>
<td>1:30pm-3:10pm</td>
<td>2B - Analytical Methods and Techniques</td>
<td>Capitol North</td>
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<tr>
<td>3:10pm-3:40pm</td>
<td>PM Break</td>
<td>Georgia Prefunction</td>
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<tr>
<td>3:40pm-5:20pm</td>
<td>3A - Bio-Based Adhesives-Renewable Feedstock (continued)</td>
<td>Atlanta 1-3</td>
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<td>3:40pm-5:20pm</td>
<td>3B - Analytical Methods and Techniques (continued)</td>
<td>Capitol North</td>
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<tr>
<td>5:20pm-7:00pm</td>
<td>Poster Session and Student Poster Competition Reception</td>
<td>Georgia Prefunction</td>
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<tr>
<td>7:00am-5:10pm</td>
<td>Registration</td>
<td>Georgia Registration</td>
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<tr>
<td>7:00am-10:30am</td>
<td>Student Tour of Georgia-Pacific Chemicals’ R&amp;D Laboratory</td>
<td>Meet by Registration Desk</td>
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<tr>
<td>7:15am-8:15am</td>
<td>AM Continental Breakfast</td>
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<tr>
<td>8:15am-10:00am</td>
<td>Plenary Session II</td>
<td>Capitol North</td>
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<td>10:00am-10:30am</td>
<td>AM Break</td>
<td>Georgia Prefunction</td>
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<tr>
<td>10:30am-12:10pm</td>
<td>6A - Bio-Based Adhesives</td>
<td>Atlanta 1-3</td>
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<tr>
<td>10:30am-12:10pm</td>
<td>6B - Structure-Property Relationships</td>
<td>Capitol North</td>
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<tr>
<td>12:10pm-1:40pm</td>
<td>Lunch Student Poster Competition Winners Announcement</td>
<td>Georgia 7-10</td>
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<tr>
<td>1:40pm-3:00pm</td>
<td>7A - Bio-Based Adhesives (continued)</td>
<td>Atlanta 1-3</td>
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<td>1:40pm-3:00pm</td>
<td>7B - Structure-Property Relationships (continued)</td>
<td>Capitol North</td>
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<td>3:00pm-3:30pm</td>
<td>PM Break</td>
<td>Georgia Prefunction</td>
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<tr>
<td>3:30pm-5:10pm</td>
<td>8A - Adhesive-Substrate Interactions</td>
<td>Atlanta 1-3</td>
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<tr>
<td>3:30pm-5:10pm</td>
<td>8B - Structure-Property Relationships (continued)</td>
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<td>AM Continental Breakfast</td>
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<tr>
<td>7:15am-12:30pm</td>
<td>Registration</td>
<td>Georgia Registration</td>
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<tr>
<td>8:15am-9:35am</td>
<td>9A - Replacement of Phenol with Bio-Products</td>
<td>Atlanta 1-3</td>
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<tr>
<td>8:15am-9:35am</td>
<td>9B - Composites</td>
<td>Capitol North</td>
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<tr>
<td>9:35am-10:00am</td>
<td>AM Break</td>
<td>Georgia Prefunction</td>
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<tr>
<td>10:00am-11:00pm</td>
<td>10A - Adhesive-Substrate Interactions</td>
<td>Atlanta 1-3</td>
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<tr>
<td>10:00am-11:00pm</td>
<td>10B - Composites (continued)</td>
<td>Capitol North</td>
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<tr>
<td>11:10am-12:10pm</td>
<td>Panel Discussion and Closing</td>
<td>Capitol North</td>
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CHRISTOPHER G. HUNT
Chair
USDA Forest Products Laboratory

LINDA CAUDILL
Wood-Based Composites Center

GREG SMITH
University of British Columbia

NING YAN
University of Toronto

ONSITE STAFF

Scott Springmier, Executive Director, Forest Products Society

Deepa George, Membership Coordinator and Meeting Planner, Forest Products Society

Anna Utzig, Event Coordinator, TAPPI

Jessica Reaves Miller, Speaker Relations Manager, TAPPI
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<tr>
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<td>Wood Adhesives Welcome Reception Garden Courtyard</td>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:15 am - 8:30 am</td>
<td>Welcome and Introduction</td>
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<tr>
<td></td>
<td>Scott Springmier, Forest Products Society</td>
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<td></td>
<td>Chris Hunt, USDA Forest Products Laboratory</td>
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<tr>
<td>7:30 am - 8:30 am</td>
<td>AM Continental Breakfast Garden Prefunction</td>
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<tr>
<td>8:30 am - 10:00 am</td>
<td>1 - Plenary I</td>
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<td></td>
<td>Capital North</td>
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<tr>
<td></td>
<td>Session Chair: Ning Yan, University of Toronto</td>
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<tr>
<td>1.1</td>
<td>Current and Future Adhesive Needs of Wood Based Furniture Industry</td>
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<td>Johan Bruck, IKEA of Sweden</td>
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<tr>
<td>1.2</td>
<td>Urea-Glyoxal and Melamine Glyoxal Adhesives for Wood Panels and Other Applications by Total Elimination of Formaldehyde</td>
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<td>Tony Pizzi, University of Lorraine</td>
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<tr>
<td>10:00 am - 10:30 am</td>
<td>Break - Georgia Prefunction</td>
</tr>
</tbody>
</table>
10:30 am - 12:00 pm
1 - Plenary I (continued)
Capitol North
Session Chair: Chuck Frihart, USDA Forest Products Laboratory

1.3 Innovation in Wood Through Advanced Adhesives
Chris Whelan, Henkel

1.4 Academic research: Under the influence
Charles E. Frazier, Wood-Based Composites Center, Virginia Tech University

1.5 Discovery to Validation: Closing the Gap from Lab to Commercial Reality
Michael J. Birkeland, Solenis

12:00 pm - 1:30 pm Lunch - Georgia 7-10

1:30 pm - 3:10 pm
2A - Bio-Based Adhesives-Renewable Feedstock
Atlanta 1-3
Session Chair: Hendrikus (Erik) W. G. van Herwijnen, WoodKplus, Vienna

2A.1 Managing Panelboard Volatile Organic Compound Emission Profiles Through Renewables Use
Warren Grigsby, Scion

2A.2 Hemicellulose as a Green Binder for Wood Adhesives
Emelie Norström, KTH Royal Institute of Technology

2A.3 Self-curing Epoxy Resin as a Bio-based Adhesive for Wood Products
Yusuf Celikbag, Auburn University
2A.4 Improving Accessibility to Develop a Starch Based Hyperbranched Epoxy Wood Adhesive  
**Pei-Yu Kuo, University of Toronto**

2A.5 Application of Western Red Cedar Bark in pMDI Wood Adhesive  
**Heyu Chen, University of Toronto**

### 2B - Analytical Methods and Techniques  
**Capitol North**  
**Session Chair:** **Johannes Konnerth, University of Natural Resources and Life Sciences**

2B.1 Curing Kinetics of Soy Protein Substitution in Phenol Formaldehyde Adhesive in a Superheated Steam Environment  
**William Hand, Auburn University**

2B.2 In-Situ Chemical Structure Analysis of Cured Bond-Line of Aqueous Vinyl Polymer-Isocyanate Adhesive Using FT-NIR Technique  
**Akio Takemura, The University of Tokyo**

2B.3 Evaluation of Torque Method for Qualification of Shear Resistance of Adhesive Bonds in CLT Layups  
**Lech Muszynski, Oregon State University**

2B.4 Tack Measurements for Resole Formulations  
**Charles E. Frazier, Virginia Tech**

2B.5 Correlation of Adhesive Performance between Automated Bond Evaluation System Tests and Plywood Tests – A Case Study of Lignin-PF Adhesives  
**Zeen Huang, FPInnovations**

3:10 pm - 3:40 pm  
**Break - Georgia Prefunction**
3:40 pm - 5:20 pm

3A - Bio-Based Adhesives-Renewable Feedstock (Continued)

Atlanta 1-3
Session Chair: Yaqiu Zhao, Ashland

3A.1 Some Perspectives of Designing 100% Bio-Based Adhesives: New Approaches to Adhesives for Engineered Wood Product Manufacture
Warren Grigsby, Scion

3A.2 Cottonseed Meal-Based Wood Adhesives for Non-Structural Interior Applications
Zhongqi He, USDA-ARS

3A.3 From Native Wheat Protein Towards Modified Peptides and Their Adhesive Potential
Almut Wiltner, Institut fuer Holztechnologie Dresden gGmbH

3A.4 2GAR – Second Generation Amino Resins
Nádia T. Paiva, EuroResinas - Industrias Quimicas SA

3:40 pm - 5:20 pm

3B: Analytical Methods and Techniques (Continued)

Capitol North
Session Chair: Darren Riedlinger, Arclin

3B.1 Air Fingers and Cavitation - Analysis of Bonding Failures
Dirk Lukowsky, Fraunhofer WKI

3B.2 Rheology of Industrial and Electrical Modified Structural Wood Adhesives After Production and Storage
Christoph Winkler, Eberswalde University for Sustainable Development
3B.3 Integrity Evaluation of Mechanical Weak Boundary Layer in Order to Understand Wood-Adhesive Bond Formation and Performance
Christopher Hunt, USDA Forest Service, Forest Products Laboratory

3B.4 Rheology of Adhesive Systems; From Product Development to End User Process Simulation
Trine Viljugrein, Dynea AS

3B.5 Biogenic Formaldehyde: It’s in the Wood
Charles E. Frazier, Virginia Tech
4 - Poster Session and Student Poster Competition
Georgia Prefunction
Sponsored by

Generous hors d’oeuvres will be provided
Session Chair: Linda Caudill,
Wood-Based Composites Center

4.1 Epoxy Resin Cross-linked with Wood Pyrolysis Bio-oil by Acetone Pretreatment for Wood Adhesion
George Cheng, Auburn University

4.2 Mechanical Characterisation of Wood Fibre - Adhesive Interaction Using Scanning Force Microscopy
Steve Garrett, University of Surrey

4.3 Light Microscopic Detection Of Resin Distribution In Industrial Wood-Based Panels
Elfriede Hogger, Wood K Plus, Competence Centre for Wood Composites and Wood Chemistry

4.4 Unsaturated Polyester Resin as a Formaldehyde-Free Adhesive Used in Particleboard
Zhengzheng Wu, Lulea University of Technology and Fujian Agriculture and Forestry University

4.5 Formulating Bio-Based Phenolic Adhesive
Somayyeh Kalami, Mississippi State University

4.6 Synthesis Process Development of Diethylene Tricarbamide (D) as a Starting Material for Wood Composite Binder DF Resins
Moon Kim, Mississippi State University, Department of Sustainable Bioproducts
4.7 Removal of Cured Urea-Formaldehyde Resins from Recycled Medium Density Fiberboard
Muhammad Adly Rahandi Lubis, Department of Wood and Paper Sciences, Kyungpook National University

4.8 Improving the Bonding Performance of Modified Wood by Surface Processing Techniques
Bernd Lütkemeier, University of Goettingen, Wood Biology and Wood Products

4.9 Hyperbranched Poly(3-Ethyl-3-(Hydroxymethyl)Oxetanes) as the Functional Components of Adhesive Materials
Mariusz Maminski, Warsaw University of Life Sciences
4.10 Durability of Steam Treated Beech Joints
Goran Mihulja, University of Zagreb

4.11 Bond Quality of Cross-Laminated Timber Manufactured Using Emulsion Polymer Isocyanate Adhesives
Junko Miyazaki, Hokkaido Research Organization, Forest Products Research Institute

4.12 Thermal Properties of Isocyanate Cured with Wood
Arif Nuryawan, University of Sumatera Utara

4.13 How do Some Selected Production Parameters Influence the Mechanical Properties of pMDI Bonded Wood Strands?
Pia Solt, Wood K plus – Competence Center of Wood Composites and Wood Chemistry

4.14 Characteristic Changes of Sucrose by the Addition of Ammonium Dihydrogen Phosphate toward Development of a New Natural Adhesive
Kenji Umemura, Kyoto University

4.15 Wood Adhesives from Lignocellulosic Biomass Liquefaction
Dominika Janiszewska, Wood Technology Institute

4.16 Tannin Adhesive Modified with Hyperbranched Polyamide I: Effect on Polycondensation Temperature of Hyperbranched Polyamide
Cui Juqing, Nanjing Forestry University

4.17 Dry-Shear Strength, Bondline Thickness, and Adhesive Penetration Depth Interactions between Hickory Veneer and Soy Adhesive at Low Moisture Contents
Cody Wykle, Virginia Tech
4.18 Developing a Bio-based Wood Composite Using Refined Cottonseed Protein Adhesive
   **Juliana Stratton, Mississippi State University**

4.19 Heat Generation of Formaldehyde in Pinus taeda Wood
   **Benjamin R. Peed, Virginia Tech**

4.20 Lignin Modification for Polyurethane Resin Application
   **Maryam Arefmanesh, University of Toronto**

4.21 Flexible Polyurethane Prepolymer Synthesis with Lower Isocyanate Content for Recycle Foams
   **Cihan Efe Kılıç, Gebze Technical University/Hurkimsa Kimya As.**

4.22 Wood Adhesives Research at Fraunhofer WKI
   **Bo Kasal, Fraunhofer Wilhelm-Klauditz-Institute, Germany**

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**THURSDAY, OCTOBER 26TH**

7:00 am - 10:30 am  Student Tour of Georgia-Pacific Chemicals’ R&D Laboratory
                    Meet by the Registration Desk at 7:00 am

7:30 am - 8:30 am   **AM Continental Breakfast**
                    **Georgia Prefunction**

8:15 am - 10:00 am  **5 - Plenary Session II**
                    **Capital North**
                    Session Chair: **Venla Hemmilä, IKEA of Sweden**

5.1 Perspectives on the Future of Engineered Wood Markets
    **Dave Fell, FPInnovations**

5.2 Analysis of Adhesive Bonds Under Tension Using Coupled 3D X-Ray Computer Tomography and Numerical Modeling
    **John A. Nairn, Oregon State University**
5.3 Practical Considerations to Optimize Mill Formaldehyde Certification Systems for CARB/TSCA VI Compliance
Peter De Jong, Hexion

10:00 am - 10:30 am Break - Georgia Prefunction

10:30 am - 12:10 pm

6A - Bio-based Adhesives
Atlanta 1-3
Session Chair: Akio Takemura, University of Tokyo

6A.1 Highly Bio-Based Raw Material for Production of Wood Adhesives
Stig Bardage, RISE Research Institutes of Sweden AB

6A.2 Advancements in Sustainable Binder Technology for Composite Wood Panel Applications
Niels Smeets, EcoSynthetix

6A.3 Syntheses of Low Formaldehyde-Emitting Diethylene Tricarbamide-Formaldehyde (DF) and Copolymer Resins Made with Urea and Melamine as Minor Components and Their Wood Composite Binder Performances
Moon Kim, Mississippi State University, Department of Sustainable Bioproducts

6A.4 Comparable Technological Evaluation of Formaldehyde-Free Adhesives for the Particle Board Production
Hendrikus W. G. van Herwijnen, Kompetenzzentrum Holz GmbH (Wood K plus)

6A.5 Coaxing Soy Adhesives into Living Up to Their Potential
Christopher Hunt, USDA Forest Service, Forest Products Laboratory
6B - Structure-Property Relationships
Capital North
Session Chair: Bo Kasal, Fraunhofer Wilhelm-Klauditz-Institute

6B.1 Silane-Modified-Polyether (SMP) Hybrid Polymers
Daniel Mania, Wacker Chemical Corporation

6B.2 Insights of Low F/U Mole Ratio UF Resins as Wood Adhesives
Byung-Dae Park, Kyungpook National University

6B.3 Role of Moisture in the Penetration of Isocyanate Resin
David Harper, University of Tennessee

6B.4 Inter-Relationship Between Viscosity, Molecular Weight and Adhesion of Urea-Formaldehyde Resin for Bonding Wood
Bora Jeong, Department of Wood and Paper Sciences, Kyungpook National University

6B.5 Use of Ultra-High-Molecular-Weight Polyvinyl Alcohol for Vinyl Acetate Type Emulsion
Gabe Ghebremeskel, Kuraray America, Inc.

12:10 pm - 1:40 pm Lunch and Poster Competition Winners Announcement
Session Chair: Linda Caudill, Wood-Based Composites Center

1:40 pm - 3:00 pm 7A - Bio-based Adhesives (Continued)
Atlanta 1-3
Session Chair: Jessica Jennings, Specialist, Georgia-Pacific Chemicals

7A.1 Which Lignin is Suitable to Entirely Replace Phenol in Phenolic Adhesive Formulation?
Moijgan Nejad, Michigan State University
7A.2  The Effect of Starch Amylose and Amylopectin Content on Adhesion Performance of Formaldehyde-Free Starch-Based Epoxy Adhesives
    Nicole Tratnik, University of Toronto

7A.3  Soy Protein Substitution in Phenol Formaldehyde Adhesive used in Oriented Strand Board
    William Hand, Auburn University

7B - Structure-Property Relationships (Continued)
    Capitol North
    Session Chair: Xiaobo Gong, Ashland LLC

7B.1  Influencing Factors On The Cold Tack Of Urea Formaldehyde Used For Birch Plywood
    Elfriede Hogger, Wood K plus, Competence Centre of Wood Composites and Wood Chemistry

7B.2  Some Interfacial Interactions Between Isocyanates and Metals Which Impact Release in Composite Wood Panel Production
    Christopher Phanopoulos, Huntsman Polyurethanes

7B.3  Study of Differences in Wetting Behavior of Single Wood Fibers and Bundles Towards Isocyanate Based Resins
    Daniele Pratelli, Huntsman Polyurethanes

7B.4  Wetting and Penetration Analysis of Resin/Wood Interfaces
    Christa Stables, Virginia Tech

3:00 pm - 3:30 pm  Break - Georgia Prefunction
3:30 pm - 5:10 pm

**8A - Adhesive-Substrate Interactions**

Atlanta 1-3

Session Chair: **Joseph Jakes, USDA Forest Service Forest Products Lab**

8A.1 Small Angle Neutron Scattering as a New Tool to Study Moisture-Induced Swelling in the Nanostructure of Chemically Modified Wood Cell Walls  
**Nayomi Plaza, U.S. Forest Service, Forest Products Laboratory**

8A.2 Local Adhesion Testing on Lignocellulosic Fibers with Nanoindentation  
**Johannes Konnerth, BOKU University of Natural Resources and Life Sciences - Vienna, Institute of Wood Technology and Renewable Materials**

8A.3 Comparison of Direct Adhesion of Thermoplastic Polymers to Lignocellulosic Model Fibers  
**Johannes Konnerth, BOKU University of Natural Resources and Life Sciences - Vienna, Institute of Wood Technology and Renewable Materials**

8A.4 Measuring the Effects of Adhesive Penetration on Load Transfer Across Wood Adhesive Bonds Using Digital Volume Correlation  
**Daniel Ching, Oregon State University**

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3:30 pm - 5:10 pm

**8B - Structure-Property Relationships (Continued)**

Capitol North

Session Chair: **Christopher Phanopoulos, Huntsman Polyurethanes**

8B.1 Chemical Structure Design of Heat-Resistant Polyurethane Adhesives  
**Martin Feng, FPInnovations**
8B.2 Chemical Species of Cured Urea-Formaldehyde Resins After Hydrolysis Using GPC, 13C-NMR and FTIR Analysis
Muhammad Adly Rahandi Lubis, Department of Wood and Paper Sciences, Kyungpook National University

8B.3 The Use of Ethylene Modified Vinyl Alcohol Polymer for Eco-Friendly Wood Adhesive
Yuta Taoka, Kuraray America, Inc.

8B.4 Applications of Quantum Chemistry Methods in Exploration of Wood Adhesive Chemistry
Guanben Du, Southwest Forestry University

8B.5 Formation of Uron Structure Under Alkaline Condition Throughout: A Quantitative 13C-NMR Study
Jianjun Liang, Southwest Forestry University

FRIDAY, OCTOBER 27TH
7:30 am - 8:30 am AM Continental Breakfast Georgia Prefunction
8:15 am - 9:35 am 9A - Replacement of Phenol with Bio-Products Atlanta 1-3
Session Chair: Martin Feng, FPInnovations

9A.1 Lignin Based Binders: An Industrial Reality, Latest Developments Sanna Valkonen, UPM Bio Chemicals

9A.2 The Impact of Molecular Weight of Kraft-Lignin on Adhesive Performance of Lignin Based Phenol Formaldehyde Resins Pia Solt, Wood K plus – Competence Center of Wood Composites and Wood Chemistry

9A.3 CatLignin – Reactive Lignin for Phenol Replacement in Resins Hanne Wikberg, VTT Technical Research Centre of Finland
9A.4 Lignin Modification with Ionic Liquid for Bio-Based Polyurethane Adhesive Applications
Maryam Arefmanesh, University of Toronto

9B.1 DOL Effect in Glued Wooden Lap Joints
Simon Aicher, MPA Universität Stuttgart

9B.2 Duration of Load Testing of Wood-Adhesive Bonds
Markus Knorz, TU Munich

9B.3 Adhesive Bond Integrity in Hybrid Cross-Laminated Timber (CLT) Layups
Lech Muszynski, Oregon State University

9B.4 Study of the Influence of Pressing Conditions and Conditioning on the Physic-Mechanical Properties of MDF Panels
Ana Gomes, ARCP - Associação Rede Competência em Polímeros

9:35 - 10:00 am Break - Georgia Prefunction

10A.1 Integrating Multi-Scale Studies of Adhesive Penetration into Wood
Joseph Jakes, U.S. Forest Service, Forest Products Laboratory

10A.2 Fire Performance of Large Scale Cross-Laminated Timber (CLT) Wall and Floor Assemblies Bonded with Polyurethane Reactive and Melamine-Urea-Formaldehyde Adhesives
Lech Muszynski, Oregon State University
10A.3 Numerical Simulation of Adhesive Penetration into Realistic Wood Cell Structures
John Nairn, Oregon State University

10:00 am - 11:00 am
10B - Composites (continued)
Capitol North
Session Chair: Terry Liles, Huber Engineered Woods

10B.1 Effect of Refining on Wood Fiber Quality
Mohammad Tasooji, Virginia Tech

10B.2 Investigation of Production Parameters of a Bamboo-Based Natural Fibre Composite Using Acrylate Resin
Felix Böck, University of British Columbia

10B.3 Volatile Organic Compound Emissions from Engineered Wood Products
Charles Frihart, USDA Forest Service, Forest Products Laboratory

11:10 am - 12:10 pm
11 - Panel Discussion: Strengths, Weaknesses, Opportunities and Threats in the Bonded Wood Products Industry.
Capitol North
Moderator: Fred Kamke, Oregon State University

Panelists:
Joe Marcinko, Polymer Synergies, LLC
Byung-Dae Park, Kyungpook National University, Korea
Guanben Du, Southwest Forestry University, China
Mark Anderson, Senior VP, Research and Technology Arclin
Kristina Durkić, Dynea Adhesives
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