



PROGRAM TRACKS

11/02/23 (SUBJECT TO CHANGE)

IBBC Conference	
Sunday, November 5, 2023	
6:30AM – 5:00PM	Registration Open <i>Location: Grand Hall West Foyer</i>
7:30AM – 4:00PM	Bleach Plant Operations Workshop** <i>Location: Greenbriar</i>
8:00AM – 4:00PM	Brown Stock Washing Workshop** <i>Location: Dunwoody</i>
11:00AM – 1:30PM	Lunch for Workshop Attendees Only <i>Location: Dunwoody & Greenbriar Foyer</i>
12:00PM – 4:00PM	TAPPI Central <i>Location: Grand Hall West Foyer</i>
5:00PM – 7:00PM	Welcome Reception & Exhibit (Sponsored by John Crane) <i>Location: Grand Hall West</i>
7:00PM – 10:00PM	Awards Dinner* <i>Location: White Oak Kitchen (located across the street from the hotel)</i>
Monday, November 6, 2023	
6:30AM – 5:00PM	Registration Opens <i>Location: Grand Hall West Foyer</i>
7:00AM – 8:15AM	Speaker Breakfast (Monday Speakers & Session Chairs Only) <i>Location: Baker</i>
8:00AM – 5:00PM	TAPPI Central <i>Location: Grand Hall West Foyer</i>

* Invitation Only

** Additional registration fee required

*** Pre-registration required

8:30AM – 10:00AM	Session 1: PEERS Opening Session & Keynote ✓ Session Chair: <i>Mathias Lindström, International Paper</i> Advancing the Industry's Sustainability Achievements through Collaboration & Partnerships - <i>Jamie Tiralla, Director, Strategic Communications, AF&PA</i> <i>Location: Regency VI</i>
10:00AM – 10:30AM	Coffee Break & Exhibit Open <i>Location: Grand Hall West</i>
10:30AM – 12:00PM	Session 2: State of the Industry✓ Session Chair: <i>Pasi Miikkulainen, Andritz</i> <i>Location: Regency VI</i>
	Engaging/Retaining Engineers in the Pulp Industry – <i>Larry Anker, Solenis, LLC</i> How to Create a Thriving Environment that Encourages Development and Growth for both People and Processes – <i>Karin Demegård, Södra Cell</i> Early Career Recruiting Trends & Engagement Strategies - <i>Brooke Kaskey, WestRock</i> Latam Trends and Challenges Around Sustainability & Innovation in the Forest Sector - <i>Nicolás Gordon, CMPC</i>
12:00PM – 1:30PM	Lunch & Learn/ Exhibit Open Grab your lunch and come eat with Division Leaders in Pulp Manufacturing and Engineering. Learn about the volunteer work our leaders enjoy and find out how you can get engaged. <i>Location: Grand Hall West</i>
1:30PM – 3:00PM	Session 3: New Technology Showcase✓ Moderator: <i>Subra Arasakesari, International Paper</i> <i>Location: Learning Center</i>
	Impacting The Pulp & Paper Wastewater Treatment Market with Proven Transformative Technology - <i>Derek J. Maat, SciCorp International Corp.</i> Improved Chip Feeding for Continues Digesters - <i>Robert Carlström, Valmet</i> Process Performance and Product Quality Cost Savings Using On-line Fiber Properties Real Time Data Transformation-Case Study – <i>Paul Watson, PulpEyeAB</i> Money for Nothing and Your Chips for Free – <i>Amy Duncan, Dos Santos International</i> Smart Chips – Immersing Pulp & Paper Industry into Digital Transformation – <i>Marcus De Oliveira, Innotech Alberta</i> The Path towards Carbon Neutrality – How Reduced Thermal Conductivity Refractories Can Contribute - <i>Kevin Regan, Refratechnik North America, Inc.</i>

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	<p>Advances in Chip Measurement using NIR Spectroscopy – <i>Shawn Russell, FITNIR Analyzers Inc.</i></p> <p>Role of Digital Twin Technology in Autonomous Operation - <i>Tanaji Mali, IDEAS</i></p> <p>Catalytic Pyrolysis of Biomass - Paving the Way to Commercial Biocrude Production through Industrial Scale Piloting, <i>Zach Bacon, Valmet</i></p>
3:00PM – 3:30PM	<p>Refreshment Break & Exhibit Open</p> <p><i>Location: Grand Hall West</i></p>
5:00PM – 6:30PM	<p>Reception & Exhibit Open</p> <p><i>Location: Grand Hall West</i></p>
7:00PM – 9:30PM	<p>PEERS Networking Dinner** (all attendees welcome) (Sponsored by: Via Separations)</p> <p><i>Location: National Civil and Human Rights Center</i></p>
<p>Tuesday, November 7, 2023</p>	
6:30AM – 5:00PM	<p>Registration Open</p> <p><i>Location: Grand Hall West Foyer</i></p>
6:45AM – 8:30AM	<p>Hot Topic Breakfast I*** (Sign-up Sheets Will be at Registration)</p> <p><i>Location: Grand Hall West</i></p>
	<p>Sustainable and Circular Forest Bioeconomy– <i>Antonio Suarez Simancas, WestRock</i></p> <p>Congrats You Are a Reliability Engineer-Now What? – <i>Jay Shellogg, Strategic Maintenance Reliability, LLC</i></p> <p>What is the Best Way to Sample Reburned Lime for Residual Carbonate Analysis? – <i>Honghi Tran, University of Toronto</i></p> <p>Soap Separation Improvement – <i>Harold Petke, Solenis, LLC</i></p> <p>Fluff Pulp Characterization – <i>Dan Nicholson, Solenis, LLC</i></p> <p>Wildfires – A Growing Concern Affecting Mill Operations and Employees – <i>Nat McAlonen, Altum Technologies</i></p> <p>How to do a Boiler Upgrade Properly – What’s Required and When – <i>Paul Ceravolo, Andritz</i></p> <p>TAPPI TIPs and Standard Test Methods - <i>Morgan Nelson, TAPPI; Mathias Lindström, International Paper</i></p>
6:45AM – 8:00AM	<p>PaperChase Fun Run/Walk** (5K Run/2Mile Walk)</p> <p><i>Location: Piedmont Park (Information at Registration)</i></p>
7:00AM – 8:15AM	<p>Speaker Breakfast (Tuesday Speakers & Session Chairs Only)</p> <p><i>Location: Baker</i></p>

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8:00AM – 5:00PM	TAPPI Central <i>Location: Grand Hall West Foyer</i>
8:30AM – 10:00AM	IBBC Session 1: Welcome & Opening Session: Session Chair: Sudhagar Mani, University of Georgia Pulp Mill or Biorefinery? Critical Path to Replace Fossil Fuels! – Mark DeAndrea, Centrisys Renewables <i>Location: Regency VI</i>
10:00AM – 10:30AM	Coffee Break & Exhibit Open <i>Location: Grand Hall West</i>
10:30AM – 12:00PM	IBBC Session 2: Advances in Biofuels and Bioproducts Research (Invited Speakers) Session Chair: Jaya Shankar Tumuluru, USDA <i>Location: Regency V</i>
	Resource-efficient Pellet Production & Fertilizer Pellets from Forestry Residues - Research Advantages from Two Ongoing Projects- <i>Stefan Frodeson, Karlstad University, Sweden</i> Investigation and Mitigation of Biomass Fouling on Screw Feeder in Preconversion of Pyrolysis – Jun Qu, <i>Oak Ridge National Laboratory</i> Xylose - A Low Carbon Footprint Starting Material for the Production of Biofuels and Biochemicals - <i>Jagannadh Satyavolu, Founder and CEO, BioProducts, LLC (presented by Holly Covington, BioProducts, LLC)</i>
12:00PM – 1:20PM	2024 PEERS Technical Program Planning Meeting* <i>Chair: Pasi Miikkulainen, Andritz</i> <i>Location: Kennesaw</i>
12:00PM – 1:30PM	Lunch & Learn/ Exhibit Open Grab your lunch and come eat with Division Leaders in Pulp Manufacturing and Engineering. Learn about the volunteer work our leaders enjoy and find out how you can get engaged. <i>Location: Grand Hall West</i>
12:30PM – 1:30PM	Biorefinery Committee <i>Chair: Sudhagar Mani, University of Georgia</i> <i>Location: Lenox</i>
1:30PM – 3:00PM	Fiber Recycling Committee Meeting <i>Cesar Basilio, Thiele Kaolin Company, Thiele</i> <i>Location: Kennesaw</i>
1:30PM – 3:00PM	IBBC Session 3: Biomass Processing and Pretreatment Session Chair: Sudhagar Mani, University of Georgia <i>Location: Regency V</i>
	Preprocessing and Pretreatment Technologies for Addressing Biomass Supply Chain Logistics – <i>Jaya Shankar Tumuluru, USDA</i> Recent Developments in Biomass Treatment by Twin Screw Extrusion – <i>Lionel Danos, Clextral, Inc.</i>

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	Transforming Biomass with Sandwich Belt High Angle Conveyors – <i>Amy Duncan, DOS Santos International</i>
3:00PM – 3:30PM	Refreshment Break & Exhibit Open <i>Location: Grand Hall West</i>
3:30PM – 5:00PM	IBBC Session 4: Biomass Preprocessing and Conversion Session Chair: Zach Bacon, Valmet <i>Location: Regency V</i>
	Experimental Analysis of the Pyrolysis Dynamics of a Single Wood Particle - Presentation of the Radiographic Technique – <i>Paweł Kazimierski, Instytut Maszyn Przepływowych</i> Fast pyrolysis of southern pine forest residue tissue fractions using a Pyro-GCMS – <i>Sudhagar Mani, University of Georgia</i> <i>Imperata cylindrica</i> : A New Bioethanol Potential with Hydrolysis of β -1,4 Glycosidic Binding and Fractional Distillation as A Futuristic Green Energy – <i>Ai Hasanah, IPB University</i>
5:00PM – 7:30PM	Reception and Exhibit Open <i>Location: Grand Hall West</i>
5:30PM – 6:30PM	IBBC/PEERS Session: Poster <i>Location: Grand Hall West Exhibit Hall</i> <i>Numbers are the ones that will be participating in the Student Poster Competition</i>
	Comparative Study of Hydrolysis and Fermentation Methods for Acetic Acid Production from Paper Sludge - <i>Harifara Rabemanolontsoa, Kyoto University</i> 1. Triboelectric Membrane Sensor for Heavy Metal Ions Removal and Detection in Wastewater - <i>Geng-Sheng Lin, Georgia Institute of Technology</i> 2. 3D Printing of Spray Dried CNFs Reinforced Polypropylene Composites – <i>Sunqiun Hwang, University of Maine</i> 3. Grinding performance and physical properties of southern pine forest residue tissue fractions - <i>Osayuwamen Osagie, University of Georgia</i> 4. Preparation of Nanofibrillated Cellulose Hydrogels from Various Plant Materials - <i>Md Mazbah Uddin, University of Georgia</i> 5. Sustainability Assessment of Single-Use Surgical Face Masks through Life Cycle Analysis - <i>Maitry Bhattacharjee, University of Georgia</i> 6. Fabrication of Poly (lactic acid) melt-blown nonwoven and optimization of processing parameters for improved barrier and mechanical properties - <i>Avik Kumar Dhar, University of Georgia</i>

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6:30PM – 7:30PM	New Member / First Time Attendee Mixer <i>Location: Grand Hall West</i>
6:30PM – 9:00PM	IBBC Conference Dinner** (all attendees welcome) (Sponsored by: Valmet) <i>Location: Ruth Chris Steakhouse</i>
Wednesday, November 8, 2023	
6:30AM – 12:00PM	Registration Open <i>Location: Regency Foyer Area</i>
6:45AM – 8:30AM	<p>Hot Topic Breakfast II*** (Sign-up Sheets Will be at Registration) <i>Location: Regency VI</i></p> <p>Lab-to-Market Commercialization of Forest Bioproducts and Biomaterials – <i>Zach Bacon, Valmet</i></p> <p>Alternate Fuels for Lime Kilns- <i>J. Peter Gorog, Houghton Cascade Holdings, LLC</i></p> <p>Recovery Boiler Operation Auditing - <i>Chris Jackson, Paragon Consulting</i></p> <p>Effect of soap on sodium salt scaling and how it impacts mill operations - <i>Nikolai DeMartini, University of Toronto</i></p> <p>Pulp Mill Washing Issues – <i>Todd Bolton, Solenis, LLC</i></p> <p>Pine Chemical Recovery – <i>Paul Seefeld, LDX Solutions</i></p> <p>Should Recovery Boiler Acid Cleaning Frequency be Set by Time or Condition (DWD and deposit composition), <i>Margaret Gorog, Houghton Cascade Holdings, LLC</i></p> <p>Pine Chemical Market Conditions - <i>Jerry Butler, DRT</i></p> <p>TAPPI TIPs and Standard Test Methods - <i>Morgan Nelson, TAPPI</i></p>
7:00AM – 8:15AM	Speaker Breakfast (Wednesday Speakers & Session Chairs Only) <i>Location: Dunwoody</i>
8:00AM – 12:00 PM	TAPPI Central <i>Location: Regency Foyer</i>
8:30AM – 10:00AM	IBBC Session 5: Sustainable Bio-economy-Waste Processing Session Chair: Antonio Suarez Simancas, WestRock <i>Location: Regency V</i>
	Broadening the Waste Horizon: Demonstration of Waste to Ethanol Technology Using Paper Sludge as Model Substrate – <i>Eugene van Rensburg, University of Stellenbosch</i>

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	<p>The Use of Pulping Liquors as Binders for Chromite Pellets – <i>Hendrik Le Roux, University of Stellenbosch (Presented by Lodewicus Van Der Westhuizen, University of Stellenbosch)</i></p> <p>Steam Exploded Lignocellulose as Binders for Coal-fines Briquetting – <i>Lodewicus Van Der Westhuizen, University of Stellenbosch</i></p>
10:00AM – 10:30AM	<p>Coffee Break</p> <p><i>Location: Regency Foyer & Lower Conference Level</i></p>
10:30AM – 12:00PM	<p>IBBC Session 6: Big Data Analysis and Reliability</p> <p>Session Chair: <i>Jaya Shankar Tumuluru, USDA</i></p> <p><i>Location: Regency V</i></p>
	<p>IIOT for R&M: The Real Struggle – <i>Jay Shellogg, Strategy Maintenance Reliability</i></p> <p>The Machine Learning Modeling Tool to Predict Biomass Conversion Performances – <i>Sudhagar Mani, University of Georgia</i></p> <p>Using Big Data to Improve Mill Maintenance - <i>Jay Shellogg, Strategy Maintenance Reliability</i></p>
12:00PM – 1:00PM	<p>2023 PEERS Conference Wrap up Meeting*</p> <p><i>Chair: Natasha Bush-Postell, TAPPI</i></p> <p><i>Location: Inman</i></p>
12:00PM	PEERS & IBBC Conclude
12:00PM – 4:00PM	<p>On-line Digital Twin Technology for Your Mill-Have Your DCS Communicate With a Live Simulation Model Workshop** (Please bring your own laptop)</p> <p><i>Location: Greenbriar</i></p>

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