



PROGRAM TRACKS

05/24/23 (SUBJECT TO CHANGE)

IBBC Conference	
Sunday, November 5, 2023	
7:00AM–6:30PM	Registration Open
7:30AM–4:00PM	Bleach Plant Operations Workshop**
8:00AM–4:00PM	Brown Stock Washing Workshop**
11:00AM–1:30PM	Lunch for Workshop Attendees Only
5:00PM–7:00PM	Welcome Reception & Exhibit
7:00PM–10:00PM	Awards Dinner*
Monday, November 6, 2023	
6:30AM–6:30PM	Registration Opens
7:00AM–8:15AM	Speaker Breakfast (Monday Speakers & Session Chairs Only)
8:30AM–10:00AM	Session 1: PEERS Opening Session & Keynote ✓ Session Chair: <i>Mathias Lindström, International Paper</i>
10:00AM–10:30AM	Coffee Break & Exhibit Open
10:30AM–12:00PM	Session 2: State of the Industry ✓ Session Chair: <i>Pasi Miikkulainen, Andritz</i>

* Invitation Only

** Additional registration fee required

*** Pre-registration required

12:00PM–1:30PM	Lunch & Exhibit Open
1:30PM–3:00PM	Session 3: New Technology Showcase✓ Moderator: <i>Subra Arasakesari, International Paper</i>
	Tentative Presentations: Process Performance and Product Quality Cost Savings Using On-line Fiber Properties Real Time Data Transformation-Case Study – <i>Paul Watson, Paul Watson & Associates</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 Oliviera, Innotech Alberta</i>
3:00PM–3:30PM	Refreshment Break & Exhibit Open
5:00PM–6:30PM	Reception & Exhibit Open,
7:00PM–9:00PM	Conference Networking Dinner**
Tuesday, November 7, 2023	
6:30AM–6:30PM	Registration Open
6:45AM–8:30AM	Hot Topic Breakfast I*** (Sign-up Sheets Will be at Registration)
	TBA – <i>Antonio Suarez Dimancas, WestRock</i> Congrats You Are a Reliability Engineer-Now What? – <i>Jay Shellogg, Strategic Maintenance Reliability, LLC</i>
6:45AM–8:00AM	PaperChase Fun Run/Walk** (5K Run/2Mile Walk)
7:00AM–8:15AM	Speaker Breakfast (Tuesday Speakers & Session Chairs Only)
8:30AM–10:00AM	IBBC Session 1: Welcome & Opening Session: Session Chair: <i>Sudhagar Mani, University of Georgia</i>
10:00AM–10:30AM	Coffee Break & Exhibit Open
10:30AM – 12:00PM	IBBC Session 2: Advances in Biofuels and Bioproducts Research (Invited Speakers) Session Chair: <i>Jaya Shankar Tumuluru, USDA</i>
	Resource-efficient Pellet Production & Fertilizer Pellets from Forestry Residues - Research Advantages from Two Ongoing Projects- <i>Stefan Frodeson, Karlstad University, Sweden</i> Field-to-Fuel Production of Carbon-Negative Sustainable Aviation Fuel from Regenerative Agriculture Biomass - <i>Allison Ray, Alder Fuels</i> Xylose - A Low Carbon Footprint Starting Material for the Production of Biofuels and Biochemicals - <i>Jagannadh Satyavolu, Founder and CEO, BioProducts, LLC</i>

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12:00PM–1:20PM	2024 PEERS Technical Program Planning Meeting* <i>Chair: Mathis Lindström, International Paper</i>
12:00PM–1:30PM	Lunch & Exhibit Open
12:30PM–1:30PM	Biorefinery Committee <i>Chair: Sudhagar Mani, University of Georgia</i>
1:30PM–3:00PM	Fiber Recycling Committee Meeting
1:30PM–3:00PM	IBBC Session 3: Biomass Processing and Pretreatment Session Chair: Sudhagar Mani, University of Georgia
	Preprocessing and Pretreatment Technologies for Addressing Biomass Supply Chain Logistics – <i>Jaya Shankar Tumuluru, Los Alamos National Laboratory</i> Recent Developments in Biomass Treatment by Twin Screw Extrusion – <i>John Barber, Clextrol, Inc.</i> Transforming Biomass with Sandwich Belt High Angle Conveyors – <i>Amy Duncan, DOS Santos International</i>
3:00PM–3:30PM	Refreshment Break & Exhibit Open
3:30PM–5:30PM	IBBC Session 4: Biomass Preprocessing and Conversion Session Chair: Zach Bacon, Valmet
	Experimental Analysis of the Pyrolysis Dynamics of a Single Wood Particle - Presentation of the Radiographic Technique – <i>Pawel Kazimierski, Instytut Maszyn Przeplywowych</i> <i>Imperata cylindrica: A New Bioethanol Potential with Hydrolysis of β-1,4 Glycosidic Binding and Fractional Distillation as A Futuristic Green Energy – Ai Hasanah, IPB University</i> Assessing the Environmental and Economic Impacts of Wood Pellet Industry Through Land Use Change in Georgia, United States - <i>Omid Karami, Purdue University</i> Optimization of Fatty Acid Ethyl Ester (FAEE) Yield of Biodiesel produced from Sunflower Oil and Palm Oil Using <i>Rhizopus Oryzae</i> as Whole-cell Biocatalyst – <i>Samuel Okon-Edem, Nigerian National Petroleum Company Ltd.</i>
5:00PM–6:30PM	Reception and Exhibit Open
5:30PM-6:30PM	IBBC/PEERS Session: Poster Session Chair: Jaya Shankar Tumuluru, USDA
	Pulping Liquors as Binders for Chromite Pellets – <i>Hendrik Le Roux, University of Stellenbosch</i> Providing Sustainable Energy for Underprivileged Communities in Upper Egypt – <i>Mahmoud Ahmed, UN Climate Change Project</i>

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	Performance Modelling of Hydrothermal Liquefaction of Barley Straw using Machine Learning Algorithms - <i>Shruti Sen, BITS Pilani</i>
6:30PM–7:30PM	Young Professionals Mixer
Wednesday, November 8, 2023	
6:30AM–12:00PM	Registration Open
6:45AM–8:30AM	Hot Topic Breakfast II*** (Sign-up Sheets Will be at Registration) TBA - <i>Zach Bacon, Valmet</i>
7:00AM–8:15AM	Speaker Breakfast (Wednesday Speakers & Session Chairs Only)
8:30AM–10:30AM	IBBC Session 5: Sustainable Bio-economy-Waste Processing Session Chair: Antonio Suarez Dimancas, WestRock
	Broadening the Waste Horizon: Demonstration of Waste to Ethanol Technology Using Paper Sludge as Model Substrate – <i>Eugene van Rensburg, University of Stellenbosch</i> Investigation and Mitigation of Biomass Fouling on Screw Feeder in Preconversion of Pyrolysis – <i>Jun Qu, Oak Ridge National Laboratory</i> Pulping Liquors as Binders for Chromite Pellets – <i>Hendrik Le Roux, University of Stellenbosch</i> Steam Exploded Lignocellulose as Binders for Coal-fines Briquetting – <i>Lodewicus Van Der Westhuizen, University of Stellenbosch</i>
10:00AM–10:30AM	Coffee Break
10:30AM–12:00PM	IBBC Session 6: Big Data Analysis and Reliability Session Chair: Jaya Shankar Tumuluru, USDA
	IIoT / AI / “Big” Data for Reliability & Maintenance – <i>Jay Shellogg, Strategy Maintenance Reliability</i> The Machine Learning Modeling Tool to Predict Biomass Conversion Performances – <i>Sudhagar Mani, University of Georgia</i> Using Big Data to Improve Mill Maintenance is a Growing Opportunity - <i>Jay Shellogg, Strategy Maintenance Reliability</i>
12:00PM–1:00PM	2022 PEERS Conference Wrap up Meeting* <i>Chair: Ashley Westbrook, TAPPI</i>
12:00PM	PEERS & IBBC Conclude
12:00PM–4:00PM	On-line Digital Twin Technology for Your Plant-Have Your DCS Communicate With a Live Simulation Model Workshop**

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