


IBBC International
2018 Bioenergy &
 Bioproducts
 Conference
October 28-31, 2018 • Portland, OR

CONFERENCE PROGRAM

(Subject to Change)

As of 08-08-18

Monday, October 29, 2018	
8:30AM – 10:00AM	Session 1: Opening Session & Keynote ✓ Session Chair: <i>Mark LeBel, Andritz</i> John Carpenter, President, Nippon Dynawave Packaging
10:00AM – 10:30AM	Break
3:30PM - 5:00PM	Session 10: Nonwood Session Chair: <i>Gary Breaux, Solvay</i>
	Pulping and Bleaching of Wheat Straw and Oat Straw - <i>Robert (Bob) Hurter, HurterConsult, Inc.</i>
	Characteristics and Potential of Sulfur-Free Nonwood Lignin, <i>Sabrina Burkhardt, Sustainable Fiber Technologies</i>
	Cannabis, a Higher Style of Pulping, <i>Mark Lewis, Sustainable Fiber Technologies</i>
5:00PM-7:00PM	Welcome Reception
7:00PM-9:00PM	PEERS Conference Networking Dinner** Sponsored by: 
Tuesday, October 30, 2018	
6:45AM - 8:30AM	Hot Topic Breakfast Bleach Plant Scale Control Moderator: <i>Peter Hart, WestRock</i> Nonwood

*Invitation Only

** Additional registration fee required

	<p>Moderator: <i>Sabrina Burkhardt, Sustainable Fiber Technologies</i></p> <p>Bleach Plant Optimization: Where to use the various bleaching chemical in bleaching sequence <i>Brian Brogdon, Future Bridge Consulting Services LLC</i></p> <p>Black Liquor Firing Techniques <i>Moderator: Pasi Miikkulainen, Andritz</i></p> <p>Overview of APPTI Alliance David Turpin, APPTI</p> <p>Tariff impacts to the paper industry <i>Meg Murphy, Felker Brothers</i></p>
7:00AM – 8:00AM	Paper Chase
7:00AM – 8:15AM	Speaker Breakfast
8:30AM – 10:00AM	Session 1: IBBC Keynote Session Chair: <i>R. Daniel Haynes, AkzoNobel Specialty Chemicals</i>
10:00AM – 10:30AM	Break
10:30AM – 12:30PM	Session 2: Torrefaction and Densification Technologies Session Chair: <i>Sudhagar Mani, University of Georgia</i>
	<p>Torrefied of Biomass-Status of Development, Market Requirements, Supply Chain Evaluation and Comparison - <i>Michael Wild, Wild&Partner, LLC</i></p> <p>Integrated Biomass Torrefaction and Densification Plant: Process Modeling and Plant Economics - <i>Sudhagar Mani, University of Georgia</i></p> <p>Licensing Torrefaction and Densification Technologies - <i>Hiroshi Morihara, HM3 Energy</i></p> <p>High Moisture Pelleting Studies in a Pilot Scale Ring Die Pellet Mill with 1 ton/h Throughput - <i>Jayashankar Tumuluru, Idaho National Laboratory (INL)</i></p>
12:00PM – 1:30PM	Lunch
12:30PM – 1:30PM	Biorefinery Committee
1:30PM – 3:00PM	IBBC Session 3: Biorefinery Infrastructure Session Chair: <i>Scott Curry, CQ Strategy Ltd.</i>
	<p>Failure Analysis of Wood Gasifier Vessels - <i>James Keiser, Oak Ridge National Laboratory</i></p> <p>Valmet's "BIO" Efforts – <i>Jean-Pierre Bousquet, Valmet</i></p> <p>Techno-Economic Assessment of Pulp Mill Infrastructure Integration with the Alcohol-to-Jet Pathway for Aviation Fuel Production - <i>Scott Geleynse, Washington State University</i></p>
3:00PM – 3:30PM	Break
3:30PM – 5:00PM	IBBC Session 4: Rapid Fire Showcase Session Chair: <i>J. P. Bousquet, Valmet</i>

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	<p>A New Process for Catalytic Fractionation of Organo-Solv Lignin to Biofuels and High-Value Added Chemicals - <i>Joseph Molle, University of Wisconsin-Stevens Point</i></p> <p>Wood Quality and Pulpability of Eucalyptus Woods Affected by Physiological Disturbance - <i>Juliana Marangon Jardim, North Carolina State University</i></p> <p>Fractionation of Lignin Recovered from Hot-Water Extracts of Angiosperms and its Application in Synthesis of Lignin-Based Products - <i>Aditi Nagardeolekar, SUNY-ESF</i></p>
5:00PM - 6:30PM	Reception & IBBC Poster Session
	<p>A New Process for Catalytic Fractionation of Organo-Solv Lignin to Biofuels and High-Value Added Chemicals - <i>Joseph Molle, University of Wisconsin-Stevens Point</i></p> <p>Wood Quality and Pulpability of Eucalyptus Woods Affected by Physiological Disturbance - <i>Juliana Marangon Jardim, North Carolina State University</i></p> <p>Fractionation of Lignin Recovered from Hot-Water Extracts of Angiosperms and its Application in Synthesis of Lignin-Based Products - <i>Aditi Nagardeolekar, SUNY-ESF</i></p>
6:30PM - 7:30PM	Young Professionals Mixer
7:00PM – 9:00PM	IBBC Conference Dinner**
Wednesday, October 31, 2018	
6:45AM - 8:30AM	<p>Hot Topic Breakfast</p> <p>Increasing kiln reliability Moderator: <i>Glenn Hanson, Industrial Kiln & Dryer Group</i></p> <p>Reduction efficiency measurements Moderator: <i>Thanh Tran, FITNIR</i></p> <p>Improving Kraft Pulping/Pulp Yield Moderator: <i>Hasan Jameel, North Carolina State University</i></p> <p>O₂ delignification optimization/benchmarking Moderator: <i>Tom Mullen, Process Innovations</i></p> <p>Keeping Composure in Difficult Situations Moderator: <i>Heather Jennings, Probiotic Solutions</i></p> <p>Value add products from lignin Moderator: <i>Danny Haynes, AkzoNobel</i></p> <p>Water handling (non-boiler) corrosion. It's not always MIC Moderator: <i>Katie Day, Sandvik</i></p>

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7:00AM – 8:15AM	Speaker Breakfast
8:30AM – 10:00AM	IBBC Session 5: Lignin to Whatever Session Chair: <i>Peter Axegård, C-Green Technology AB</i>
	Unlocking the Potential of Industrial Grade Lignin for Enhancing Sustainability and Performance of the Polyurethane Insulation Foam – <i>Pratheep Kumar Annamalai, The University of Queensland</i> Fractionation of Lignin Recovered from Hot-Water Extracts of Angiosperms and its Applications in Synthesis of Lignin-Based Products – <i>Aditi Nagardeolekar, SUNY-ESF</i> Selecting Solvents for Lignin Value Prior to Pulping - <i>Thomas T. Kwok, Georgia Institute of Technology</i>
10:00AM – 10:30AM	Break
10:30AM – 12:00PM	IBBC Session 6: Value Added Products Part I Session Chair: <i>Adriaan van Heiningen, University of Maine</i>
	Turning Bio-Sludge into Bio-Carbon Through Zero-Energy Hydrothermal Carbonization - <i>Peter Axegård, C-Green Technology AB</i> Alternative Pulping Process for Paper and High Value-Added Biochemical Production - <i>Ali Manesh, American Science & Technology Co.</i> Mechanical Pulp with Added Value Products and Lower COD - <i>Oleg Shagaev, Andritz AG</i>
12:00PM – 1:30PM	Lunch
1:30PM – 3:00PM	IBBC Session 7: Value Added Products Part 2 Session Chair: <i>J. P. Bousquet, Valmet</i>
	Electrochemical Salt Split for Mill Sodium Sulfur Balance Control – <i>Kalle Pelin, AkzoNobel Pulp and Performance Chemicals</i> Imagine Chemistry-An Open Innovation Approach to Sustainability Across the Manufacturing Process - <i>Danny Haynes, AkzoNobel Specialty Chemicals</i> Production of Sulfuric Acid from the Incineration of Pulp Mill Non-Condensable Gases-A Biorefinery Concept - <i>Naveen Chenna, Valmet Technologies, OY</i>
3:00PM – 3:30PM	Break
3:30PM – 5:00PM	IBBC Session 8: NanoTechnology Session Chair: <i>R. Daniel Haynes, AkzoNobel Specialty Chemicals</i>
	TBA Effects of Fiber Morphological Characteristics on Selected Properties of Fiberboard - <i>Babak Mirzaei, Collins Company</i> TBA

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5:00	IBBC Concludes
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