

TAPPI 2015 International Bioenergy and Bioproducts Conference

October 28–30, 2015

Atlanta, GA

Subject to Change

Wednesday, 28 October 2015	
8:00 – 12:15PM	American Process Inc.'s Biorefinery Tour in Thomaston, GA (Bus departs at 8:00am. Bus will arrive at the facility at 9:15am. The tour is from 9:30–11:00. Bus will return to the hotel by approximately 12:15PM.) <i>Additional Registration Fee Required: \$25</i>
PEERS BIOREFINERY BRIDGE SESSIONS – open to IBBC attendees	
8:30 – 10:00 AM	Session 37: Extracting Value From Bioproducts Session Chair: Proserfina Bennett, University of Maine
8:30–9:00	Important lessons learned during the commercialisation of the LignoBoost process <i>Presenter: Gene Christiansen, Valmet</i>
9:00–9:30	A LignoForce™ Lignin Recovery System at Hinton Pulp <i>Presenter: Jon Foan, NORAM Engineering</i>
9:30–10:00	Treating Kraft Mill Extract Using Bipolar Membrane Electrodialysis <i>Presenter: Joe Genco University of Maine</i>
10:00 – 10:30 AM	Break
10:30 – 12:00 PM	Session 43: Black Liquor & Biofuel Corrosion Session Chair: Chris Thompson FPInnovations
10:30–11:00	Corrosion Monitoring and Root Cause Identification in High Solids Concentrators <i>Presenter: Jarmo Kahala, Savcor Oy</i>
11:00–11:30	Flow Induced Accelerated Corrosion in Pulping Liquors <i>Presenter: Preet Singh, Georgia Tech</i>
11:30–12:00	Materials Compatibility Issues With Biomass-Derived Oils <i>Presenter: James Keiser, Oak Ridge National Laboratory</i>
IBBC PROGRAM	
1:45 – 3:00 PM	Session 1: Welcome, Opening Remarks & Keynote Presentation Session Chair: Bob Hurter, HurterConsult Inc.
1:45–2:00	Welcome & Opening Remarks Bob Hurter, Biorefinery Committee Chair
2:00–3:00	Keynote Presentation: Carbon Recycling: How waste resources will frame a carbon smart future. <i>Presenter: Laurel Harmon, Lanzatech</i>
3:00 – 3:30 PM	Break

3:30 – 5:00 PM	Session 2: Biomass Session Chair: <i>William S. Fuller, FRM Consulting</i>
3:30–4:00	U.S. South’s biomass availability, prices, and market trends <i>Presenter: Jacek Siry, University of Georgia</i>
4:00–4:30	An overview the potentials for NanoClay Technology <i>Presenter: Dr. John E. Woods, Cellulose Systems and Desert Control Institute</i>
4:30–5:00	The role of Carbon Dioxide Removal Techniques to counteract anthropogenic climate change: BECCS vs. afforestation <i>Presenter: Alice Favero, Georgia Tech</i>
5:00 – 5:30 PM	Biorefinery Committee Meeting
5:00 – 7:00 PM	Reception
5:00 – 7:00 PM	Student Poster Session
Thursday, 29 October 2015	
8:30 – 10:00 AM	Session 3: Conversion Pathways – Biochemical 1 Session Chair: <i>Mark Eiteman, University of Georgia</i>
8:30–9:00	Bioethanol Production from Sweet Sorghum with Mechanical Pulping <i>Presenter: Mikhail Levit, Valmet</i>
9:00–9:30	Quality Evaluation of Dissolving Pulp Fabricated from Banana Plant Stem and Its Potential for Biorefinery <i>Presenter: Atanu Kumar Das, Asian Institute of Technology</i>
9:30–10:00	The main findings on LIGNODECO project: Optimized pre–treatment of fast growing woody and nonwoody Brazilian crops by detailed characterization of chemical changes produced in the lignin–carbohydrate matrix <i>Presenter: Jorge Luiz Colodette, Universidade Federal de Vicosa</i>
8:30 – 10:00 AM	Session 4: Biomass – Thermo Session Chair: <i>Chris Dietel, DTE Energy Services</i>
8:30–9:00	Fuel and bulk flow properties of coal and torrefied wood mixtures for co–firing applications <i>Presenter: Sudhagar Mani, University of Georgia</i>
9:00-9:30	Environmental Assessment of Aviation Biofuel: Gasification with Fischer Tropsch using Forest Biomass from the US Southeast <i>Presenter: Valerie Thomas, Georgia Tech</i>
9:30- 10:00	Continuous Catalytic Ketonization and Hydrogenation of Fast Pyrolysis Oils Using Metal Oxides and Carbon Monoliths <i>Presenter: James R. Kastner, University of Georgia</i>
10:00 – 10:30AM	Break
10:30 – 12:00 PM	Session 5: Conversion Pathways – Biochemical 2 Session Chair: <i>Jean–Pierre Bousquet, Valmet</i>
10:30–11:00	Engineered Microbial Consortia for the Conversion of Lignocellulosic Hydrolysates <i>Presenter: Mark Eiteman, University of Georgia</i>
11:00–11:30	Drystill's Low Temperature Low Energy Distillation <i>Presenter: Ian McGregor, Drystill Technologies</i>
11:30–12:00	Hybrid opportunities for biocellulosic projects in the pulp & paper industry <i>Presenter: Marc Sabourin, Leaf Resources Limited</i>

10:30 – 12:00 PM	Session 6: Pellet Utilization for Bioenergy Panel Session Chair: <i>Sudhagar Mani, University of Georgia</i>
10.35 – 10.55	Forest Biomass –DOE’s perspective <i>Presenter: Dr. Stokes, Bryce, DOE</i>
10.55 – 11.15	Wood Pellet Market Perspective <i>Presenter: Harold L. Arnold, Fram Renewable Fuels</i>
11.15 – 11.35	CAWES: Realizing the commercialization of sustainable torrefaction technologies <i>Presenter: Linoj Kumar, Herty Advanced Material Development</i>
11.35 – 12.00	Panel discussion & Q/A
12:00 – 1:30 PM	Lunch
1:30 – 3:00 PM	Session 7: Conversion Pathways I Session Chair: <i>Chris Dietel, DTE Energy Services</i>
1:30–2:00	Options and economics for fluidized bed combustion of pulp and paper mill sludge and residuals <i>Presenter: Mike Grimm, Outotec Energy Products</i>
2:00–2:30	Impact of nitrogen removal on biomethane production from algae <i>Presenter: Naga Sirisha Parimi, University of Georgia</i>
2:30- 3:00	High titer ethanol and liginosulfonate production from SPORL, pretreated: Process optimization and pilot-scale demonstration <i>Presenter: J.Y Zhu, US Forest Products Lab</i>
3:00 – 3:30 PM	Break
3:30 – 5:00 PM	Session 8: Conversion Pathways - Pretreatments Session Chair: <i>J.Y. Zhu, US Forest Products Lab</i>
3:30–4:00	Hot Water and Alkaline Pretreatments for Wheat Straw <i>Presenter: Danny Haynes, Akzo Nobel</i>
4:00–4:30	AVAP® fractionation process – the excellent platform for Biorefineries <i>Presenter: Mikhail Iakovlev, University of Maine</i>
4:30–5:00	Activated Carbon and Hemicellulose Extract from Hardwoods <i>Presenter: Mehmet Sefik Tunc, American Process Inc.</i>
5:00 – 5:30 PM	Thermochemical Subcommittee Meeting
5:00 – 5:30 PM	Biomass Supply Subcommittee Meeting
5:00 – 5:30 PM	Biochemical Subcommittee Meeting
5:00 – 7:00 PM	Reception
7:30–10:00 PM	IBBC Conference Dinner at Ray’s in the City. Additional Registration Fee Required. \$65
Friday, 30 October 2015	
8:30 – 10:00 AM	Session 9: Bioproducts Session Chair: <i>Danny Haynes, Akzonobel</i>
8:30–9:00	Formulating Green Chemicals: Reinventing Value for Downstream Markets <i>Presenter: Timothy Staub, Green Biologics</i>
9:00–9:30	Water Slurry <i>Presenter: J.Y. Zhu, US Forest Products Lab</i>
9:30–10:00	Cellulose filaments reinforced low density polyethylene <i>Presenter: Abdou Khadri Diall, Université du Québec a Trois Rivières</i>

10:00 – 10:30 AM	Break
10:30 – 12:30PM	Session 10: Projects and Case Studies Session Chair: <i>Virginie Chambost, Envertis</i>
10:30–11:00	Exploring Strategies for the Lignin-Based Biorefinery <i>Presenter: Paul R. Stuart, Envertis</i>
11:00–11:30	CAPM and ROCE Modeling of Forestry for Biomass, Biofuels and Biochemicals <i>Presenter: Lawrence Sullivan, Lawrence D. Sullivan & Company Inc.</i>
11:30–12:00	Techno–Economic Analyses of a Co–Located Succinic Acid Plant with a Kraft Pulp Mill <i>Presenter: Charles Culbertson, North Carolina State University</i>
12:00–12:30	How Brazilian pulp mills will look like in the future <i>Presenter: Adriano Mariano, University of Campinas</i>
12:30 PM	IBBC Conference Closes