

The  
Biomass  
Event of 2011

# Experience **BioProgress**

3 Days • 2 Events • **1 Great Opportunity**

## DON'T MISS

- Peer-Reviewed Technical Programs
- "Build Your Own Biorefinery" Workshop
- Bioenergy Standards Summit
- Cellulosic Migration Technologies Panel
- Over 10.5 hours of Expo networking



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**IBBC**  
International  
Bioenergy &  
Bioproducts  
Conference

## Conference Highlights

Conference Dates: March 14-16, 2011

Expo Dates: March 15-16, 2011

Atlanta Hilton

Atlanta, Georgia USA

[www.bioproexpo.org](http://www.bioproexpo.org)

## 3 DAYS 2 CONFERENCES 1 GREAT OPPORTUNITY

- Leverage decades of practical experience from the forest products industry.
- Explore new technical advances in biomass conversion technologies.
- Gain practical solutions for biomass utilization.
- Attend a one-of-a-kind workshop "So You Think You Want to Build a Biorefinery"

## KEYNOTE SPEAKERS

### RICK HOLLEY



President & CEO of Plum Creek, the largest and most geographically diverse private landowner in the nation, with

approximately 7 million acres in major timber producing regions in the U.S. The company produces lumber, plywood and medium density fiberboard (MDF) in its wood products manufacturing facilities in the Northwest.

### COLIN SOUTH



Chief Technology Officer of Lignol Innovations Corp., a Vancouver based company developing

green fuels and chemicals from lignin, a multifunctional naturally occurring aromatic polymer. Prior to this he was the CEO of Novogy a renewable fuels company based in Cambridge MA and was the founding President of Mascoma Corporation, an industry-leading company developing and commercializing advanced biotechnology solutions for second generation cellulosic ethanol.

## IBBC CONFERENCE HIGHLIGHTS

TAPPI's 5th Annual IBBC program includes technical presentations and expert panels that address the production of biofuels and bioproducts through the use of forest and agricultural biomass resources and leveraging manufacturing infrastructure and expertise.

### BIOMASS SUPPLY & DEMAND TRACK

**Monday – March 14, 2011**

**Six** technical presentations address the influence of biomass logistics on commercial applications and technology, the true cost of biomass and other topics.

**Presentations by:** *Price BIO stock, Univ. of British Columbia, North Carolina State University, Univ. of Tennessee, USDA Forest Service, Frontline BioEnergy and NCASI*

### THERMOCHEMICAL CONVERSION PLATFORM TRACK

**Tuesday – March 15, 2011 and Wednesday – March 16, 2011**

**Nine** technical presentations focus on torrefaction technology, thermochemical biorefinery integration strategies, mill repowering with biomass gasification and other technical advances.

**Presentations by:** *University of Georgia, North Carolina State University, Thermo-Chem Recovery International, Frontline BioEnergy, South Dakota School of Mines and Technology, New Mexico State University, Oak Ridge National Laboratory, Shell Global Solutions, Gas Technology Institute, and CRI/Criterion Catalyst*

### BIOCHEMICAL CONVERSION PLATFORM TRACK

**Tuesday – March 15, 2011**

**Ten** technical presentations cover Novel accelerant technology, cellulosic ethanol production, the SPORL technology platform and conversion of pulp and paper wastewater sludge.

**Presentations by:** *Chemicals, Inc., Eka, Georgia Tech IPST, and Bio-Process Innovation, Oregon State University and HurterConsult Inc., AF & PA, Georgia Institute of Technology, USDA Forest Service, Forest Products Laboratory, South China University of Technology Guangzhou and University of Wisconsin-Madison, Novozymes North America, Inc., Paradigm Environmental Technologies Inc., FPIInnovations, University of British Columbia Okanagan, and Catalyst Paper Crofton Division, University of Wisconsin-Madison and South China University of Technology Guangzhou, UW - Stevens Point*

### BIOREFINERY CASE STUDIES (JOINT SESSION WITH BIOPRO EXPO)

**Wednesday – March 16, 2011**

Updates on the status of the BioDME project, the Domsjö Integrated Biorefinery project, and the Alpena Prototype Biorefinery project.

**Presentations by:** *Chemrec AB, American Process Inc., Flambeau River Biofuels*

### LIGNIN AS A BIOPRODUCT (JOINT SESSION WITH BIOPRO EXPO)

**Wednesday – March 16, 2011**

New revenue-generating opportunities with lignin, including kraft lignin as a renewable fuel and catalytic pyrolysis of lignin for bio-oils.

**Presentations by:** *Innventia AB, Georgia Institute of Technology*

## BIOPRO EXPO HIGHLIGHTS

Practical solutions for transitioning biomass feedstocks into energy, products and fuel.

### THE BIOMASS OPPORTUNITY TRACK

**Monday – March 14, 2011**

#### Biomass 101

An overview of the biomass industry - including definitions, availability of feedstocks and conversion challenges – plus opportunities and threats to the pulp and paper industry.

**Presentations by:** *North Carolina State University, Energy Launch*

#### Product Overviews

Overviews on the state of the art in liquid transportation fuels, electricity production, and value-added chemicals and petrochemical substitutes.

**Presentations by:** *NREL, the Southern Company, University of Tennessee*

### BARRIERS TO IMPLEMENTATION TRACK

**Monday, March 14, 2011**

#### The Biomass Vision –

##### Sharing Perspectives (Panel)

Panelists from different sectors - the environmentalist, the landowner, the public utility, the manufacturer – discuss how policy should be fashioned to get the best use of biomass.

#### Implementation Barriers

Understand the challenges and opportunities with assessing bioenergy projects, commercializing new technologies, policy incentives and environmental impacts.

**Presentations by:** *Innovationedge, Forisk Consulting, Clemson University*

#### Impacts of Emerging Legislative and Regulatory Issues (Panel)

Panelists will comment on current issues facing the biomass industry. Panelists will represent different groups – small and large scale generation facilities, pellet producers and biorefiners.

#### Regional Strategies to Advance Biomass Utilization (Panel)

Representatives from different regional organizations share best practices to advance regional programs, get traction within their area, promote networking, and secure funding.

#### Funding the Biomass Opportunity (Panel)

Panelists representing different funding pathways - public funding (including both federal and local), investors, and city governments/co-ops share experiences and guidelines for making the biomass opportunity a reality.

### FEEDSTOCK TRACK

**Monday, March 14, 2011**

#### Feedstock Options – Purpose Grown Crops

Technical presentations on purpose grown trees, dedicated energy crops and crop residues.

**Presentations by:** *ArborGen Inc., University of Tennessee and General Energy, Auburn University*

#### Feedstock Options –

##### Algae & Emerging Feedstocks

Technical presentations on algae, jatropha and willow.

**Presentations by:** *IF, University of Southern Mississippi, SUNY ESF*

**Tuesday – March 15, 2011**

#### Feedstock Options – Waste Streams

Technical presentations on using papermill sludge, poultry waste and municipal solid waste.

**Presentations by:** *MeadWestvaco, Eagle Green Energy, Inc., Plasco Energy Group Inc*

#### Wood Processing & Pre-Treatment – Issues and Experiences

Microchipping, production of torrefied pellets, biomass drying and processing and handling of bio-furnish.

**Presentations by:** *Harris Group Inc., Mississippi State University, CEM Machine*

#### Best Practices in Biomass Drying (Panel)

Learn best practices for the three main dryer technologies, as well as general guidelines for biomass burners and fire suppression/spark detection.

### BIOMASS DEPLOYMENT TRACK

**Wednesday – March 16, 2011**

#### Biorefineries at Pulp Mills

Updates on thermochemical biorefinery projects and co-production of n-butanol from biomass plants at pulp mills.

**Presentations by:** *TRI, Cobalt Technologies*

#### Cellulosic Migration Technologies (Panel)

This session explores new developments that make it practical for corn-based biorefineries to add cellulosic capacity.

## BUSINESS LEADERS FORUM

The Business Leaders Forum is a series of informal, open dialog roundtable discussions where global bioenergy experts will share insights and perspectives on challenges the US and global industry faces as it finally begins a serious transition to alternative fuels. Executive from all participating sectors will focus on identifying and analyzing current/ongoing challenges and obstacles to bioenergy deployment.

Participating companies include: American Process, Babcock & Wilcox, Buckeye Technologies Inc., Chemrec, Clean tech Partners, Cobalt, EdenIQ, Flambeau River, Lincoln Paper & Tissue, Mead Westvaco, Metso Power, Nextera, Novagy, POET, Pratt Industries, Terrabond, TRI and Verso.

*\*The Business Leaders Forum is an invitation-only event. For more information on how to participate, contact Mary Anne Cauthen at [mcauthen@tappi.org](mailto:mcauthen@tappi.org)*

## WORKSHOP "SO YOU THINK YOU WANT TO BUILD A BIOREFINERY"

This one day pre-conference workshop will provide participants with a comprehensive understanding of the hands-on issues and considerations of building a biorefinery.

**Sunday, March 13, 2011**

## BIOENERGY STANDARDS SUMMIT

Join your bioenergy colleagues to generate a list of potential standards for development in the growing area of bioenergy, with an initial focus on biomass characterization, saccharification, fermentation, and other tests that support bioenergy technologies.

**Wednesday, March 16, 2011**

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IBBC

## CONFERENCE HIGHLIGHTS

## NEW! Marketplace Networking Lounge

BioPro Expo and Marketplace is a unique networking opportunity that connects exhibitors, conference attendees and bioconversion experts all under one roof. The marketplace lounge offers an informal, relaxed atmosphere for face-to-face meetings with leaders from many of the top companies in the industry. The Expo and Marketplace will also feature companies on the exhibit floor that offer viable biomass converting options, feedstock converting equipment and chemicals,

as well as innovative solutions for biofuel manufacturing. This unique Marketplace Networking Lounge will provide a quality experience for attendees to learn, exchange information and gain extensive knowledge on the latest products and technology. More than your traditional exhibit, co-producers TAPPI and BioFuels Digest provide attendees and exhibitors the opportunity to green up your bottom line, and that of your customers.

To learn more, visit [www.bioproexpo.org](http://www.bioproexpo.org)



# March 14-16, 2011

## Atlanta, Georgia USA

Co-Produced by



**BiofuelsDigest**  
The world's most widely read biofuels daily

## Preliminary Schedule

\*Subject to change

**Monday, March 14**

8:00 am - 5:00 pm.....Exhibitor Move-In  
7:00 am - 5:00 pm .....Registration Open  
8:00 am - 9:00 am.....BioPro Expo™ Keynote  
9:00 am - 5:30 pm.....Conference Sessions

**Tuesday, March 15**

8:00 am - 11:00 am.....Exhibitor Move-In  
7:00 am - 5:30 pm .....Registration Open  
8:00 am - 9:00 am.....BioPro Expo™ Keynote  
9:00 am - 12:30 pm.....Conference Sessions  
12:30 pm - 6:00 pm.....Exhibit Hall GRAND OPENING  
12:30 pm - 2:00 pm.....Lunch on the Exhibit Floor  
5:00 pm - 6:00 pm.....BioBash Reception on the Exhibit Floor

**Wednesday, March 16**

7:30 am - 3:00 pm.....Registration Open  
8:00 am - 9:00 am.....BioPro Expo™ Keynote  
9:00 am - 1:00 pm.....Exhibit Hall OPEN  
12:00 pm - 1:30 pm.....Lunch on the Exhibit Floor  
2:00 pm - 11:00 pm.....Exhibitor Move-Out  
1:00 - 4:30 pm.....Conference Sessions

## Registration Information

Register to attend this event before **February 11, 2011** to take advantage of up to 15% in early registration discounts. TAPPI members can register for \$948 before the February 11 deadline, or for \$1,106 up to the event. Learn more about group and non-member rates at [www.bioproexpo.org/registration.asp](http://www.bioproexpo.org/registration.asp).

**HOTEL RESERVATIONS:**

The Atlanta Hilton is one of Atlanta's premier conference facilities. BioPro Expo 2011 & 2011 IBBC attendees will receive a special discount rate of \$159/night. To take advantage of this discounted rate, be sure to mention you're attending the BioPro Expo and Group Code: TPP. Reservations must be made on or before February 10, 2011 to qualify.

Go to [www.bioproexpo.org/travel.asp](http://www.bioproexpo.org/travel.asp) to find handy links to travel or hotel information.

## Supporting Partner Organizations



Get the latest updates at [www.bioproexpo.org](http://www.bioproexpo.org)