October 17-19, 2012
Savannah Marriott Riverfront
Savannah, Georgia USA

BUILDING A SUSTAINABLE FUTURE
IBBC offers you a deeper analysis of technology and economics in commercializing biorefineries.

Benefit from attending technical presentations, expert panels, case studies, and reports from projects that address:

- Feedstock and harvesting improvements to increase yield and quality of biomass
- Bioconversion technologies for wood and biomass
- Production of chemicals and transportation fuels from wood and biomass
- Commercial bioenergy projects utilizing woody biomass
- Tools for evaluating bioenergy projects

Why Attend IBBC?

TAPPI’s International Bioenergy and Bioproducts Conference (IBBC) is the only event dedicated to advancing biorefineries in the forest products industry. Hear the latest on biomass development, as well as the thermochemical and biochemical-based technologies that can be profitably integrated into pulp mills.

Keynote Speakers

Paul M. Spindler
Vice President, Technology
Catchlight Energy
Wednesday, October 17
1:00pm – 2:00pm

“Succeeding in the Uncertain World of Biofuels”

Spindler will discuss commercialization challenges, options the industry is deploying to move forward, and Catchlight Energy’s progress in leveraging its forest-based infrastructure to supply transportation biofuels.

Spindler leads CLE’s Technology organization, which is developing novel feedstock systems, cost-effective conversion technology and industry leading sustainability science as part of Catchlight Energy’s mission to commercialize the production of liquid transportation fuels from sustainable forest-based resources.

Prior to Catchlight Energy, Paul was General Manager of Manufacturing for a global specialty chemical company, Vice President of Engineering and Technology for a chemical technology start-up company, and for 23 years worked in various technology, chemical and refining roles in with Chevron in California, Texas and Oklahoma. In these assignments, he led and built organizations, developed and commercialized novel manufacturing processes and products, licensed technology, and designed and operated manufacturing facilities.

John B. Crowe
Chairman and Chief Executive Officer
Buckeye Technologies, Inc.
Thursday, October 18
8:00am – 9:00am

“Sustainability Commitment”

Profitable sustainable growth strategy is a top priority for Buckeye. Sustainability must be at the core of everything they do and is part of providing long-term value to shareholders, customers, employees and communities. Part of Buckeye’s strategy is to focus on renewable energy and renewable chemicals, which has led to a partnership with the University of Florida to create a Bio-Refinery Pilot Plant at Buckeye’s Florida wood specialty fibers facility to study the use of biomass to create renewable chemicals and fuels.

Crowe has served as Chairman and Chief Executive Officer of Buckeye since 2006, prior to this he was President and Chief Operating Officer (2003-2006), Director (2004-2006) and has also served as Vice President, Wood Cellulose Division (2001-2004)

Prior to joining the company, Mr. Crowe was Executive Vice President/General Manager of Alabama River Pulp and Alabama Pine Pulp Operations, a division of Parsons and Whittmores, Inc. and was Vice President and Site Manager of Flint River Operations, a subsidiary of Weyerhaeuser Company. From 1979 to 1992, he was an employee of Procter and Gamble.

Co-Location with

This year IBBC will be co-located with the TAPPI PEERS Conference, creating a full week of valuable education and learning on topics that apply directly to your job. Make the most of your experience by attending both conferences to enhance your knowledge, gain valuable insights for your company, and network with individuals who share your same day-to-day issues. Visit tappipeers.org for more information.
Program Highlights:

**Herty Advanced Materials Development Center Tour**  
**Wednesday, October 17, 8:00am - 10:00am**  
Cost is $25 and includes bus transportation.  
The tour is limited to 50 participants.  
Chartered by the State of Georgia, Herty provides a hub location needed for rapid cost-effective development of biomass resources for energy production and has been engaged in a number of cellulosic fuels programs over the past 24 months, and serves as a supplier of development quantities of highly characterized feedstocks. Through these programs, Herty has developed a keen awareness of the importance of numerous physical and chemical characteristics of woody-biomass and has, in parallel, acquired the skills and capabilities to measure and assess many of these physical attributes. Learn more about Herty at [www.tappi.org/12ibbc](http://www.tappi.org/12ibbc).

**ArborGen Plantation Tour**  
**Wednesday, October 17: 7:00am - 12:00pm**  
Cost is $25 and includes bus transportation.  
The tour is limited to 25 participants.  
This tour will be a great learning experience for all as we tour the Bellville SuperTree Nursery. Participants will gain a deeper understanding of forest plantation management especially in regards to pine and hardwood species as we visit eucalypt, pine, and populus sites. Closed toe shoes for the field sites are required and all participants will need to sign a liability release form upon departure for the tour. Prior to departure, a continental breakfast will be served to participants at 6:30am.

**Trade Fair**  
This large exhibit area is a great place to network and learn more about the latest in products and services available to the marketplace. Since IBBC is being co-located with the TAPPI PEERS Conference, you’ll benefit by seeing more companies and expanding your knowledge base of solutions.

**Savannah Riverboat Dinner Cruise**  
**Thursday, October 18**  
Boarding time 7:00 – 7:30 pm. Departure – 7:30 pm  
Cost per person is $65 (inclusive of service charge and tax)  
Join fellow attendees for an enjoyable evening of dinner, live entertainment, and an unforgettable tour of Savannah on a Riverboat cruise. Experience refreshing river breezes, delicious local southern flavors, and cultural entertainment. Our dinner cruise will go up river towards the ports passing the Talmadge Bridge and then back around down river passing the Savannah riverfront and the waving girl until we reach Fort Jackson. The River Queen Buffet features salads, delectable entrees, side dishes and desserts. Iced tea, lemonade or coffee are included with all dining cruises. Cash bar.

Conference Schedule  
(Subject To Change)

**Wednesday, October 17, 2012**
- 7:00am-12:00pm ArborGen Plantation Tour*
- 8:00am-10:00am Herty AMD Center Tour*
- 8:30am-10:00am PEERS Session 30: Extraction Chemistry (Bridge Session)
- 10:00am-10:30am Coffee Break in TAPPI Central/Exhibit Area
- 10:30am-12:00pm PEERS Session 34: Pilot Operations (Bridge Session) - Cancelled
- 12:00pm-1:00pm Lunch on your own
- 1:00pm - 2:00pm Session 1: Keynote Presentation: Paul M. Spindler, Catchlight Energy
- 2:00pm - 3:45pm Session 2: Biomass I - Procuring Biomass Feedstocks
- 3:30pm - 4:00pm Coffee Break in TAPPI Central/Exhibit Area
- 4:00pm - 5:30pm Session 3: Bioenergy Policy - Three Perspectives
- 5:30pm - 6:00pm Biorefinery Full Committee Meeting
- 5:30pm - 7:00pm Reception and Poster Session in TAPPI Central/Exhibit Area

**Thursday, October 18, 2012**
- 8:00am - 9:00am Session 4: Keynote Presentation  
  John B. Crowe, Buckeye Technologies, Inc.
- 9:00am - 10:00am Session 5: Case Studies I - Bioenergy Projects: Northern Exposure
- 10:00am-10:30am Coffee Break in TAPPI Central/Exhibit Area
- 10:30am-12:00pm Session 6: Biochemical I - New Technologies to Advance the Sugar Economy
- 12:00pm-1:30pm Hosted Lunch in TAPPI Central/Exhibit Area
- 1:30pm-3:00pm Session 7: Biochemical II - Recent Advances in Enzymatic Saccharification
- 1:30pm-3:00pm Session 8: Bioenergy Projects
- 3:00pm-3:30pm Coffee Break in TAPPI Central/Exhibit Area
- 3:30pm-5:30pm Session 9: Thermochemical I - Experiences in Thermochemical Processing
- 3:30pm-5:00pm Session 10: Advances in Bioproducts
- 5:30pm-6:00pm Biorefinery Subcommittee Meetings
- 5:30pm-7:00pm Reception and Poster Session in TAPPI Central/Exhibit Area
- 7:00pm-10:00pm IBBC Savannah Riverboat Dinner Cruise*

**Friday, October 19, 2012**
- 8:00am-9:30am Session 11: Thermochemical II - Building a Better Biorefinery
- 9:30am-10:00am Coffee Break in TAPPI Central/Exhibit Area
- 10:00am-11:00am Session 12: Case Studies II - Biorefineries for Industry Transformation

*Note: Posters will be available in the trade fair area throughout the conference  
*additional registration and/or fee required
IBBC's Technical Sessions are organized into a series of tracks:

Biomass Supply and Demand

With the increasing demand for woody biomass and other energy crops, issues such as procurement strategies, supply availability, plantation management, and crop species development are becoming increasingly important to understand. ArboGen will report on plantation management. Ecole Polytechnique and the University of British Columbia will share results on the importance of biorefinery location and procurement strategy. Enegis will share results from their BEAM biomass energy availability model, and the USDA-ARS will report on sorghum integration for improving feedstock production.

Biochemical Conversion Technologies

Conversion of wood-based sugars and lignin through enzymatic processes will be addressed in these sessions. With a closer look at the enzymatic pathways and new enzymes being developed for industrial use, these sessions explore both technical feasibility and cost reduction for commercial application. zuChem and Borregaard LignoTech report on biochemical conversion of sugars and the South Dakota School of Mines and Technology report on production of hydrogen from lignocellulosic materials. Novozymes will showcase next generation enzymes for biorefineries, and Auburn University researchers will share new findings on enzyme chemistry. EKA Chemicals and Georgia Tech share their joint research into using cationic polymers to decrease enzyme costs.

Thermochemical Conversion Technologies

Learn the latest in new biomass conversion technologies, like the IH2 process from the Gas Technology Institute and Virent's BioForming® process, as well as an update by Andritz on demonstration plants using Torrefaction technology. Chemrec will provide results from their BioDME project fueling a test fleet under commercial conditions. The Harris Group will provide insights on controlling biorefinery project costs through sound engineering, construction, and project management. Also hear VTT give an overview of their work on methodology development for assessing pre-commercial biorefinery projects.

Case Studies

Hear Zeachem’s update on their demonstration facility in Boardman, Oregon. Eaton Corporation shares their results in helping a sawmill produce over 15 mega-watts of electrical energy through leveraging existing fiber resources. Benefit from Forisk Consulting’s four years of tracking biorefinery projects and learn how to assess risks, seek the best partners, and avoid key mistakes. Ecole Polytechnique de Montreal will share results from their techno-economic evaluation of four biorefinery options for integration in a Canadian kraft pulp mill.

**Technical Program**

**IBBC's Technical Sessions**

**Note:** TAPPI has waived its commercialism guidelines for this conference

**Wednesday, October 17**

**1:00 pm - 2:00 pm**

**Session 1:** Keynote: **Paul M. Spindler**, Catchlight Energy

**Session Chair:** **John G. Cowie**, Agenda 2020 Technology Alliance

“Keynote Presentation”

**Paul M. Spindler**, Catchlight Energy

**2:00 pm - 3:45 pm**

**Session 2:** Biomass I - Procuring Biomass Feedstocks

**Session Chair:** **Robert W. Hurter**, HurterConsult Incorporated

“Competitive Advantages in the Production of Lignocellulosic Ethanol: The Importance of Biorefinery Location”

This presentation will be of interest to all lignocellulosic ethanol project developers and technology developers that wish to maximize the chances of commercial project success.

**Jamie Stephen**, University of British Columbia

**Warren Mabee**, School of Policy Studies, Queen’s University

**John N. Saddler**, University of British Columbia

“Biomass Procurement Optimization in a Transforming Forest Industry”

This presentation will show some of the logistical and strategic decisions that must be taken into account when developing a biomass procurement strategy. In addition, it will show how optimization is used to study biomass procurement operations, and maintain procurement costs as low as possible.

**Jose Melendez**, NSERC Environmental Design Engineering Chair at Ecole Polytechnique de Montreal

**Paul R. Stuart**, Ecole Polytechnique

“Dedicated Forest Bio-energy Plantations”

The presentation will cover all aspects of forest bio-energy plantations including financial returns.

**Jeffery A. Wright**, ArborGen

“The Integration of Sorghum as a Biofuel Species into Cropping System of the Southeastern U.S.”

Gain a deeper understanding of cropping systems that may enhance biofuel feedstock production.

**Brian T. Scully**, Crop Protection and Management Research Unit, USDA-ARS

**Bill Anderson**, Crop Protection and Management Research Unit, USDA-ARS

**Joe Knoll**, Crop Protection and Management Research Unit, USDA-ARS

**Dawn Olson**, Crop Protection and Management Research Unit, USDA-ARS

**Tim Strickland**, Crop Protection and Management Research Unit, USDA-ARS

**Ted Webster**, Crop Protection and Management Research Unit, USDA-ARS
Thursday, October 18

8:00 am - 9:00 am
Session 4: Keynote: John B Crowe, Buckeye Technologies, Inc.

Session Chair: John G. Cowie, Agenda 2020 Technology Alliance
“Keynote Presentation”

John B. Crowe, Buckeye Technologies Inc.

9:00 am - 10:00 am
Session 5: Case Studies I - Bioenergy Projects: Northern Exposure

Session Chair: Robert W. Hurter, HurterConsult Incorporated
“Commercializing Cellulosic Biofuels and Bio-based Chemicals”
Discover how production of economical and sustainable advanced biofuels and bio-based chemicals offers new markets for the agricultural and forestry industries in the US. This industry is making real progress to bring economical and sustainable advanced biofuels and bio-based chemicals to market.

Tim Eggeman, ZeaChem Inc.

“On-Site Biomass Co-Gen Case Study: Unleashing Power to Create Value for the Wood Products Industry”
An on-point case study outlining a successful installation at Seneca Sustainable Energy in Eugene, Oregon.

David B. Durocher, Eaton Corporation

10:30 am - 12:00 pm
Session 8: Biochemical I - New Technologies to Advance the Sugar Economy

“High Efficiency Production of Xylitol from Hemicellulose by Fermentation”
The process to produce xylitol from hemicellulose is an excellent example of the successful conversion of a low value biomass waste stream to a high value bio-product. The process is capable of using a wide-range of agricultural and forestry waste-streams. The challenges that needed to be surmounted and considerations that needed to be taken in to account will be discussed. The process also presents a business opportunity for those with a hemicellulose waste/side-stream.

Maobing Tu, Auburn University

Attendees will learn to distinguish the different roles of xylan and lignin in enzymatic hydrolysis of pretreated woody biomass. This is very important for designing a cost-effective process for biomass pretreatment and enzymatic hydrolysis.

Sandeep Mora, IPST @ Georgia Tech

“Cationic Polyelectrolytes Enhance Cellulose Saccharification”
It is a well known fact that the production of biofuels has increased significantly over the past decade. Inspite of having several advantages biofuels still struggle to compete with conventional fuels. Reducing the enzyme cost or increasing the glucose production would be one of the optimum ways to decrease biofuels cost or increase production respectively. In this presentation, different ways of achieving this goal by using cationic polymers will be shown. The audience will get an in-depth knowledge on the ways this mechanism works with different feedstocks that are commonly used or waste produced by paper industries and also on economic of the current project.

R. Daniel Haynes, Sr., EKA Chemicals Inc.

Sujit Banerjee, IPST, Chemical and Biomolecular Engineering, Georgia Tech

“Single Step Bioprocessing of Biomass to Biohydrogen”
Hydrogen (H2) is considered the “energy of the future” and an ideal alternative fuel to the current energy scenario due to its high energy content (143 MJ/Kg compared to 26.9 MJ/Kg for ethanol, and 43.5 MJ/Kg for gasoline) and non-polluting nature (water is the only end product). The U.S. consumption of H2 is about 20% of the global H2 supply or 9 million tons per year, and demand continues to grow. Biological H2 production offers two major advantages over the steam reforming process of fossil fuels (currently the predominant production method) in that 1) it utilizes renewable sources, and 2) it produces very no net level of CO2.

Mohan Raj Subramanian, South Dakota School of Mines and Technology

Lew P. Christopher, PhD PE, South Dakota School of Mines and Technology

Michael Herschkowitz, Novozymes North America

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1:30 pm - 3:00 pm
Session 8: Bioenergy Projects
Session Chair: Matt W. Worley, Harris Group Inc.
“Key Learnings from Tracking Biomass Projects”
The presentation will address key learnings from tracking bioenergy projects, specifically elements of successful projects versus risky projects. Attendees will learn how to track bioenergy projects and will learn how to distinguish risky ventures from those likely to succeed. Understanding woody biomass project development is critical to firms making strategic business investments.

Amanda H. Lang, Forisk Consulting
Brooks Mendell, Forisk Consulting

“Bioenergy Market Penetration in Southeastern States: A Five-Year Review of All Woody Biomass Energy Forms”
The results of this Southeast regional bioenergy progress report and industry assessment will be useful to all segments of the biomass consuming industries, and will be of interest to stakeholders and policymakers nationwide. Certain bioenergy industries are growing, others are not. I will offer lessons learned for those attempting to develop new bioenergy facilities.

John Bonitz, Southern Alliance of Clean Energy

“Review of the joint Navy/USDA/DOE Advanced Biofuels Initiative”
Zia Haq, US Department of Energy

3:30 pm - 5:30 pm
Session 9: Thermochemical I - Experiences in Thermochemical Processing
Session Chair: Cal Clark, KBR
“Biomass to Transportation Fuels via the IH2 Technology”
Production of renewable transportation fuels via IH2 technology from pulp and paper industry low value materials such as slash, round wood, mill sludge, etc. provides additional benefits through integration such as high pressure steam, and char which can be used to meet existing energy requirements with the proper configuration. An ability to increase site margin through more complete use of residual materials resulting in useful co-products like steam and char, as well as a renewable fuel which can be sold to meet the Renewable Fuel Standard 2 (RFS-2) mandate are expected to be of interest.

Mike Demalone, CRI Catalyst Company

“Black Liquor Gasification Derived Biofuel - Experiences from Production, Distribution and Truck Fleet Use of BioDME”
Pulp and paper mill operators will get a real-life example of successful application of biofuels production integrated with pulp production and the use of this biofuel in transport applications. This can inspire and form the basis for studies of full-scale opportunities at additional pulp mills.

Patrik P. H. Lownertz, Chemrec AB
Ingvar Landalv, Chemrec AB

“Progress on Commercializing Valuable Chemicals and Quality Fuels from Woody Materials.”
Attendees will gain a better understanding of technical and commercial opportunities for wood-based feedstocks. The presenter will also help the audience gain a deeper understanding of the progress being made on disruptive supply chains using forest materials as a feedstock.

Andrew M. Held, Virent Inc.

“Torrefaction Process Plant Design”
Learn about the technologies for torrefaction which are receiving significant investment of resources. One of the technologies is a pressurized torrefaction system combining Andritz and ECN thinking.

Brian F. Greenwood, Andritz Inc.

3:30 pm - 5:00 pm
Session 10: Advances in Bioproducts
Session Chair: Seth Barna, American Chemistry Council
“Update from the Field: Fast Pyrolysis Commercialization and Biorefinery Demo Status”
Attendees will learn the benefits and economics of utilizing liquid biofuel from fast pyrolysis to generate renewable energy. They will be updated on the commercial status of RTP and the DOE Integrated Biorefinery Demo that is currently running in Hawaii. Finally, an update on upgrading of pyrolysis oil to transportation fuels will be given.

Paula Flowers Hassett, Envergent Technologies, a Honeywell Company

“Comparison of the LignoBoost and SLRP Lignin Recovery Processes”
The content of the paper relates to several issues that are of interest to the industry: Dobbottlenecking of recovery boilers, Addition of a revenue stream from the sale of lignin, Development of sustainable, and renewable paths to chemical products. The primary focus is a technical and economic comparison of the two leading approaches to lignin recovery. Those who attend will leave with a better understanding of the status of these two processes and the major differences between them.

Charles Gooding, Clemson University

Cancelled.

Stephanie Harris, University of Minnesota/BBE

“Biorefining Pine Chemicals: Science, Policy, and Innovation”

Alan Phillips, Arizona Chemicals

Friday, October 19
8:00 am - 9:30 am
Session 11: Thermochemical II - Building a Better Biorefinery
Session Chair: Dan Burciaga, TRI

“Value-Chain Planning for Pulp and Paper Mills Transforming to the Forest Biorefinery - A Case Study”
In this paper, an integrated value-chain planning framework is presented. A case study of a newsprint mill implementing a parallel biomass fractionation line producing several biochemicals is used to illustrate this value-chain approach. Results and benefits of the approach are presented for the traditional pulp and paper business and for the transformed biorefinery.

Louis Patrick Dansereau, Ecole Polytechnique
Mahmoud El-Halwagi, Texas A&M University
Paul Stuart, Ecole Polytechnique

The presentation focuses on methods and case study analyses of wood-based biorefineries at pre-commercial development level (or future biorefinery concepts). Many important aspects of the future biorefinery will be covered that forest industrial companies should account for in their early stage decision making related to biorefinery. Therefore, someone attending this presentation will get insight into one possible comprehensive methodology for biorefinery value chain analysis. Also, the potential of supporting experimental R&D work by different value chain, process, and risk analyses will be discussed through the case studies that will be presented.

Ville E. Hytonen, VTT Technical Research Centre of Finland
Katja M. Bergroth, Poyry Management Consulting Oy
Juha Hakala, VTT Technical Research Centre of Finland
Hanna Kalanne, GloCell Oy
Petteri Kangas, VTT Technical Research Centre of Finland
Jesse Kautto, JP Management Consulting
Jukka Seppänen, GloCell Oy

“Controlling the Cost of Next Generation Biorefineries”
Matt W. Worley, Harris Group Inc.

10:00 am - 11:30 am
Session 12: Case Studies II - Biorefineries for Industry Transformation

Session Chair: Zia Haq, US Department of Energy

“Identification of Promising Integrated Forest Biorefinery Strategies at Early-Stage Design: Techno-Economic Analysis”
For someone who is interested in integrating biorefinery into the pulp and paper industry, this work shows how the economic performance of the candidate biorefinery strategies can be assessed (techno-economic analysis). Attendees will also learn the decision criteria to use when identifying promising biorefinery strategies. Finally, discover how MCDM panel as a decision making tool can combine conflicting criteria into a unique economic score for each biorefinery candidate.

Shabnam Sanaei, Ecole Polytechnique de Montreal
Paul R. Stuart, Ecole Polytechnique

This presentation defines a new and practical methodology that TAPPI mill members can employ to better understand their operations, and design cost saving opportunities in both the short- and longer-terms.

Paul R. Stuart, Ecole Polytechnique
Milan Korbel, Ecole Polytechnique

IBBC Poster Session
(Posters will be available in the trade fair area throughout the conference)

“Upgrading of Pyrolysis Oil by Hydroprocessing in a Packed Bed Flow Reactor”
Venkata Penmetsa, Mississippi State University
Divya Parapati, Mississippi State University

“Low pH Microbial Fuel Cell Systems”
Venkataramana Gadhamshetty, Rensselaer Polytechnic Institute

“Algal-Microbial Desalination Cells for Clean Energy, Water, and Biomass Production”
Veera Gnaneswar Gude, Mississippi State University

“Utilizing Renewable Energy to Produce “Renewable Biodiesel Fuels”
Veera Gnaneswar Gude, Mississippi State University

“Fast and Easy Algal Biodiesel Production by Ultrasonic and Microwave Processing”
Veera Gnaneswar Gude, Mississippi State University

“Biogas from Agriculture Residues & Waste”
Kolluru Krishan, MPPL Renewable Energy Pvt. Ltd.

“Challenges & Benefits of Pretreatment Processes: Effects of Hot-water Extraction, Mild Acid, & Mild Alkaline Hydrolysis on Sugar Maple, Norway Spruce, & Corn Cobs”
Bujanovic Biljana, SUNY-ESF College
Chen Gong, SUNY-ESF College
Qiong Song, SUNY-ESF College
Prajakta Dongre, SUNY-ESF College

“Liquid Lignin as Fuel”
Michael Lake, Liquid Lignon Company

“Combined Heat and Power: An Untapped Resource”
Adam Young Zoet, Dovetail Partners Inc.

“Hot Water Extraction with pH Control and Subsequent Kraft Pulping of Pine Wood Chips”
Allen Smith, Auburn University
Gopal Krishnagopal, Auburn University
Harry Cullinan, Auburn University
Hotel Information

A block of discounted rooms for the PEERS and IBBC Conferences have been reserved at the:

Savannah Marriott Riverfront
100 General McIntosh Boulevard
Savannah, Georgia 31401 USA

Reserve your room online at www.tappi.org/12ibbc or call +1 800-285-0398 or +1 912-233-7722.
Rates for PEERS/IBBC participants are $154 single/double; additional $15 for Concierge; additional $20 for confirmed riverfront view room.
Suites - One bedroom $379; two bedroom $528.
Cut-off date for discounted rates is September 21, 2012

Please note: TAPPI has negotiated these special hotel rates that include complimentary internet in the guest rooms, as well as complimentary wireless connection at the registration area and atrium. Reduced self-parking rate of $5 daily per vehicle (standard rate is $18 daily). You don’t want to miss out on these; rooms outside our block may be much more expensive and will not include special offers. If you utilize a travel agent or company travel department, please let them know about booking your room within the TAPPI block.

Registration

Two Ways to Register:
1. Online at www.tappi.org/12ibbc
2. By phone: call 1.800.332.8686 (US), 1.800.446.9431 (Canada), or +1.770.446.1400 (Worldwide)

Registration Fees and Meals

Full Conference registration includes access to all IBBC functions. Some meals are included in the cost of your registration such as lunch in the Trade Fair area on Thursday, morning/afternoon coffee breaks, and receptions in the Trade Fair area on Wednesday and Thursday evenings. The hotel and surrounding areas provide additional dining choices and great networking opportunities.

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<td>Retired</td>
<td>699</td>
<td>1099</td>
</tr>
<tr>
<td>Student Member</td>
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<td>160</td>
</tr>
<tr>
<td>Student Non-Member</td>
<td>130</td>
<td>230</td>
</tr>
<tr>
<td>Exhibit Visitor Only (No Conference Access)</td>
<td>75</td>
<td>125</td>
</tr>
</tbody>
</table>

Additional functions not included in your PEERS/IBBC registration:

- Spouse/ Guest Program: $60
- PaperChase FunRun/Walk: 25
- PaperChase FunRun/Walk - Student: 10
- ArborGen Tour (Wednesday, Oct. 17): 25
- Herty Tour (Wednesday, Oct. 17): 25
- IBBC Dinner Cruise (Thursday, Oct. 18) – Open to all: 65
- Bleach Plant Workshop (Sunday, Oct. 14): 130
- Wastewater Treatment Workshop (Sunday, Oct. 14): 75
- Fixed Equipment Maintenance Optimization System Workshop – Member (Sunday, Oct. 14): 400
- Fixed Equipment Maintenance Optimization System Workshop – Non-Member (Sunday, Oct. 14): 600
- Fixed Equipment Maintenance Optimization System Workshop – Join/Renew: Registration and 1 year TAPPI membership (Sunday, Oct. 14): 574

Pre-order these books now and pick them up at the conference

- 2011 PEERS Conference Proceedings (PEERS-11)
- Fundamentals of the Kraft Recovery Process (0101R327)
- The Bleaching of Pulp, 5th edition (0101R313)
- Integrated Biorefineries (12INTBIO)