



# TAPPI PEERS 2023: INVITATION TO PRESENT

*Theme: Sustainability - People, Process, & Forest Products  
Engineering & Technology Solutions for a Changing World*

Abstracts for **PEERS 2023** are sought which provide reports or case studies on industry advancements and process improvements designed to inform, enlighten, and engage both industry newcomers and long-term professionals. Additionally, the planning committee seeks abstracts for the **Student Poster Session**, co-sponsored with **IBBC 2023**, and proposals for **Hot Topics Breakfasts** and the **New Technology Showcase**.

**Abstracts are due March 17, 2023. Manuscripts due to Session Chairs by June 12, 2023**

## TOPICS OF INTEREST

Suggested topics are listed below, but other topics are welcome!

<b>Pulping</b>	<b>Mill Reliability</b>
<ul style="list-style-type: none"> <li>Pulping technology – process audits &amp; best practices</li> <li>Kraft pulp yield improvement – additives or alternatives</li> <li>Fiber improvements – strength, bonding, or economics</li> <li>Advanced process measurements &amp; control</li> <li>Managing pulp wood - climate change &amp; green fuel competition</li> <li>Fluff and dissolving pulps- improving fiberization &amp; properties</li> </ul>	<ul style="list-style-type: none"> <li>Recruiting, retention, &amp; knowledge transfer</li> <li>Best outage execution templates</li> <li>Best practice in operator equipment care routes and documentation systems</li> <li>Materials selection for corrosion resistance</li> <li>Engineering project management/Capital planning</li> <li>Risk base inspection &amp; Fitness for service</li> <li>Reliability Centered Maintenance</li> </ul>
<b>Brown Stock Washing</b>	<b>Recovery Boilers &amp; Evaporators</b>
<ul style="list-style-type: none"> <li>Fundamentals/best practices of pulp washing</li> <li>On-line performance measurements</li> <li>New washing technologies</li> </ul>	<ul style="list-style-type: none"> <li>Boiler tube and smelt spout integrity</li> <li>Boiler fouling basics and sootblowing best practices</li> <li>Recovery cycle process simulation and optimization</li> <li>Monitor and control of black liquor variability</li> <li>New technologies in black liquor evaporation</li> </ul>
<b>Bleaching</b>	<b>Lime Kiln &amp; Reausticizing</b>
<ul style="list-style-type: none"> <li>Fundamentals/best practices of bleaching</li> <li>Bleach cost optimizations &amp; audits</li> <li>On-line instrumentations &amp; process control</li> <li>Deposit issues &amp; control</li> </ul>	<ul style="list-style-type: none"> <li>Maximize kiln production (burners, chains, external dryers, etc.)</li> <li>Managing kiln ring formation (SOP's, ring removal, etc.)</li> <li>Selection &amp; design of kiln burners &amp; alternative fuel combustion</li> <li>Maximize efficiency of recausticizing plant operation</li> <li>Detection and impacts of non-process elements</li> <li>Kiln maintenance best practices</li> </ul>
<b>Recycling</b>	<b>Energy and Power Boiler</b>
<ul style="list-style-type: none"> <li>Advances in deinking</li> <li>Recycling fiber for tissue production</li> <li>Challenges of recycling OCC and brown paper</li> <li>Stickies removal</li> <li>Plant optimizations</li> </ul>	<ul style="list-style-type: none"> <li>Biomass energy &amp; alternative wood-based fuels</li> <li>Power boiler tuning for boiler MACT implementation</li> <li>Power plant upgrades &amp; energy conservation &amp; cost reduction</li> <li>Smart sensors and controls</li> </ul>
<b>Nonwood Fibers</b>	<b>Environment / Regulation / Sustainability</b>
<ul style="list-style-type: none"> <li>Harvesting and storage</li> <li>Chemical &amp; physical properties</li> <li>Advances in non-wood pulping &amp; bleaching technology</li> <li>Applications and handling of non-wood fibers and co-product streams</li> </ul>	<ul style="list-style-type: none"> <li>Innovations in air, water, solid waste, &amp; chemical management and treatment</li> <li>Regulatory updates and management approaches</li> <li>Integration of environmental issues into the business</li> <li>Carbon footprinting &amp; life cycle analysis</li> </ul>

## Biorefinery Track part of IBBC

For more details, visit [www.tappi-ibbc.org](http://www.tappi-ibbc.org)

- Developments in biomass crops, harvesting and storage
- Bio-based polymers and bioproducts technologies
- Market usage for lignin-based and cellulose-based products
- Thermochemical and biochemical conversion technologies
- Alternate feedstock options – forest residue, sludge, black liquor
- Use of pretreatments for biorefinery pulping

## SUBMITAL INFORMATION

Abstracts Due: **March 17, 2023**

Link to Upload: [Speaker Management System](#)

Event Website: [www.tappipeers.org](http://www.tappipeers.org)

## STUDENT POSTER SESSION AND COMPETITION (Co-Sponsored with IBBC)

*A Competition for Students and Young Professionals*

Are you a student, graduate student or young professional who has recently joined the pulp and paper or allied industry? Have you successfully conducted research, implemented a project or have an idea for a project that sustainably drives our industry forward? We are soliciting abstracts on topics for innovative solutions to compete in a poster session refereed by industry experts. Examples include *but are not limited to* process improvements in consumption of energy, water and raw materials or the creation new sustainable products. Student research, senior design or internship projects are also welcome. Abstracts are due **August 21, 2023**.

## ABSTRACT SUBMITTALS

A short abstract is required to be submitted by **March 17, 2023**. Submissions must be received by the stated deadline to be considered for acceptance. Due to the large number of submissions received, the organizers cannot guarantee that the submission will be accepted.

All submissions will be peer reviewed for acceptance. Submit title and 300-word or shorter abstracts via TAPPI's [Speaker Management System](#). Authors of accepted abstracts will be notified, and final papers will be due at a later date.

## HOT TOPICS BREAKFAST AND NEW TECHNOLOGY SHOWCASE SUBMITTALS

For hot topics affecting the industry that may not be ready for a technical paper, or a new technology that you would like to inform the industry about, we invite you to submit a proposal by **August 21, 2023**. If accepted, you may lead round-table discussions of the topic or present a short introduction of the technology. Technical papers are not required for the hot topic breakfast or new technology showcase sessions. Submit your proposals via TAPPI's [Speaker Management System](#).

## IMPORTANT DATES

- Abstract Due – March 17, 2023
- Notification of Acceptance – April 21, 2023
- Papers Due to Session Chairs – June 12, 2023
- Final Papers Due to TAPPI – September 6, 2023
- Presentations Due to Session Chairs – September 13, 2023
- Final Presentations Due to TAPPI – November 3, 2023

**CO-LOCATED and CONCURRENT with**

**TAPPI**  
**IBBC** International  
2023 Bioenergy &  
Conference Bioproducts

November 5 – November 8, 2023 • Atlanta, GA

[tappi-ibbc.org](http://tappi-ibbc.org)

**IBBC accepts PowerPoint Presentations with or without papers.**

- Innovative Bioproducts and Biopolymers from Biomass
- Biomass Conversion Pathways
- Supporting the sustainable bioeconomy

[www.tappi-ibbc.org](http://www.tappi-ibbc.org)

For questions on the speaker relations manager, please contact Pat Stiede, Content Management Specialist, at [pstiede@tappi.org](mailto:pstiede@tappi.org) or +1 770 209-7214. For more conference information contact: Emma Ragauskas, TAPPI Account Manager, [eragauskas@tappi.org](mailto:eragauskas@tappi.org) or +1 770 209-7228.