



Invitation to Present

2017 TAPPI Papermaking Program and the RPTA Technical Seminar

You are invited to present at [PaperCon 2017](#) which will take place on April 23-26 at the Minneapolis Convention Center in Minneapolis, MN, USA. The theme of this year's conference is **Renew, Rethink, Redefine the Future.**

The Papermaking and Recycled Paperboard Program

The Papermaking and Recycled Paperboard program will include tracks covering papermaking, papermaking additives, process control, fluid fundamentals, and the recycled paperboard technical seminar. There will also be a track of tutorials with contributions from various subject areas to be determined. The deadline for submissions of titles and abstracts for technical papers, panel sessions, and roundtables is **November 11, 2016.**

TAPPI is dedicated to providing a forum for new concepts and speakers. All paper company personnel, suppliers, students, and academics are strongly encouraged to submit abstracts via the [Speaker Management System](#). Topic areas for the various tracks are:

Track 1: Papermaking Best Practices

This track will focus on best practices in the paper machine area and how they can help renew good performance on the machines. Presentations and discussions will encourage papermakers to rethink their processes and redefine success.

Potential Topics:

- Keynote – Rethinking your best practices
- Kick-off Roundtable – Discussion with the audience about best practices observed across the industry.
- Best practices in different areas of the paper machine
 - Stock preparation
 - Stock approach
 - Headboxes
 - Forming
 - Pressing
 - Vacuum
 - Steamboxes
 - Drying
 - Air Systems
 - Energy Systems
 - Process Control
 - And Others
- Best practices in papermaking systems
 - Data analysis
 - Safety systems
 - Training
 - Project management
 - Technical Support
 - Implementing Centerlining

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Invitation to Present: Track 1 Potential Topics continued.

- How to determine the Best Practices for your machine
 - Success Stories – Case studies of successful project or process implementation in the paper machine area to achieve best practices
 - Papermaking Roundtable – Sharing best practices with papermakers, suppliers, and consultants
 - Wrap-up Roundtable – Best practices to take home with you
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Track 2: Renewing, Rethinking and Redefining Papermaking Additives

*This track will explore renewing, rethinking, and redefining papermaking additives and their applications. **Renewing** will focus on refreshing our understanding and sharing the current state of the art. **Rethinking** includes incremental optimization and improvement of the current state of the art for these existing additives. **Redefining** work will focus on innovations and non-incremental advancements which leads to new additives and/or new application strategies that have previously not been utilized. Priority will be given to papers with significant technical content that supports both the Papermaking Additives theme as well as the overall PaperCon 2017 theme.*

Potential Topics: *(Other relevant submissions will also be considered.)*

- **“Renewing” Process and Functional Additives**
 - Biocides
 - Contaminant Control
 - Defoamers
 - Fillers
 - Retention, Drainage, and Formation
 - Sizing
 - Strength
- **“Rethinking” Methods and Applications**
 - Wet end chemistry management, measurement and control
 - Water use and reuse, quality and quantity management
 - Ways to produce paper grades with enhanced strength, printability, lightweightening, and other consumer desirable properties.
 - Utilization of computational and statistical tools as predictive tools
- **“Redefining” Novel Additives**
 - Nano- or micro fibrillated cellulose
 - Improved barrier materials (heat, moisture, oxygen)
 - Critical requirements for high speed ink jet printing
 - Development of New paper grades
 - Use of cellulose based products to replace plastic

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Track 3a: Renew, Rethink, Redefine the Future of Process Control

This year the first half of the Process Control & Fluid Fundamentals Track will focus on rethinking Process Control and what lies in the future.

Potential Topics:

- Redefining WIS/Machine Vision Needs and Functions
 - Rethinking Analysis Techniques and Statistics for Process Variability
 - Renewing QCS Sensor Technology
 - Rethinking the use of Process Control to reduce Basis Weight on Board Grades. Focusing on:
 - (1) New type of on-line sensors to optimize strength/basis weight
 - (2) Jet/Wire ratio optimization
 - (3) Advanced Control Technology
 - Best Practices for Process Control
 - QCS
 - DCS
 - WIS
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Track 3b: Best Practices in Fluid Fundamentals

The second half of the Process Control & Fluid Fundamentals Track will focus on best available technologies and the progression of new technologies relating to the fluid mechanics of:

Potential Topics:

- Current and novel forming methods including:
 - Fourdrinier, Twin-wire and Hybrid forming
 - Roll, blade and roll-blade dewatering
 - Foam forming
 - Stratified forming
- New insights into wet-end variability, sheet forming processes and sheet structure analysis
- Wet-end measurement techniques
- The fundamentals of stock and additives mixing
- Use of CFD for practical applications to papermaking processes
 - New modelling techniques
 - Case studies

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Recycled Paperboard Technical Association Production-Technical Seminar

The Recycled Paperboard Technical Association's Production-Technical Seminar (RPTA P-T Seminar) will focus on topics relevant to manufacturers of recycled board grades such as multiply paperboard, linerboard, tube and core, and gypsum liner.

Sessions and Potential Topics: *(Other relevant submissions will also be considered.)*

- Improving Wet Press Efficiency
 - Cover and felt innovations
 - Chemical applications -drainage aids
 - Press Geometry
- Strategies for Reducing Basis Weights
- Stock Prep Optimization
 - Improving Cleaner Efficiency
 - New Screen Designs
 - Energy Reduction
- Maintenance Reliability
- Process Stability through Operational Management in Recycle Mills
- Recycled paperboard Mill Evolution

**Visit TAPPI's Speaker Management System to
[submit your abstract](#) by November 11, 2016.**

Invitations to Present at PaperCon have also been issued for the Coating and Graphic Arts Program and NETInc - the Innovative Nonwovens Conference.

Dates of note:

- **November 11, 2016** - [Abstracts due](#). Accepted abstracts will be invited to produce a full manuscript.
- **December 2, 2016** - Notification of acceptance and invitation to produce manuscript.
- **January 20, 2017** - Draft Manuscript due to session chair for review and feedback.
- **February 10, 2017** - Final Manuscript due to TAPPI.
- **March 3, 2017** - Draft PowerPoint to session chair for review and feedback.
- **March 24, 2017** - Final PowerPoint due to TAPPI.
- **April 23-26, 2017** - PaperCon

Questions? Contact:

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