

April 15-18
PaperCon 2018
Charlotte, NC

Invitation to Present

2018 TAPPI Papermaking Program and the RPTA Production-Technical Seminar

PaperCon Invitations to Present have also been issued for

- *Coating and Graphic Arts Program* •
- *NETInc - the Innovative Nonwovens Conference* •

You are invited to present at [PaperCon 2018](#) which will take place on April 15-18 at the Charlotte Convention Center in Charlotte, NC, USA. The theme of this year's conference is '**Shaping the Future Through Innovation.**'

The Papermaking and Recycled Paperboard Program

The Papermaking Program will include tracks covering papermaking innovations, papermaking additives, fluid fundamentals, as well as two collocated events: Control Systems 2018 and the Recycled Paperboard Technical Association Production-Technical Seminar. The deadline for submissions of titles and abstracts for technical papers, panel sessions, and roundtables is **October 13, 2017**.

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 Innovations

This track will focus on innovations 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 – Pushing Innovation
- Kick-off Roundtable – Discussion with the audience about papermaking innovations observed across the industry.
- Innovations in the papermaking process – anywhere from the HD through the winder
 - Stock preparation
 - Stock approach
 - Headboxes
 - Forming
 - Pressing
 - Vacuum
 - Steamboxes
 - Drying
 - Air Systems
 - Energy Systems
 - Process Control
 - And Others
- Innovations in papermaking systems
 - Data analysis
 - Safety systems
 - Training
 - Project management
 - Technical Support
 - Implementing Centerlining
- Innovative paper products
- Innovations in paper machine research
- Papermaking Success Stories
- Papermaking Roundtable – Sharing innovations with papermakers, suppliers, and consultants
- Wrap-up Roundtable – Innovations to take home with you



Invitation to Present continued:

Track 2: Papermaking Additives

This track will explore innovative developments in papermaking additives. This year's program will focus on highlighting the best use of current state of the art technology as well as both incremental optimization and non-incremental advancements in technology. The focus of will be shared between new additives and/or new application strategies that shape our future. Priority will be given to strong technical papers that supports both the PaperCon 2018 theme of "Shaping the Future through Innovation".

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

- *Process and Functional Additives*
 - Biocides
 - Contaminant Control
 - Defoamers
 - Fillers
 - Retention, Drainage, and Formation
 - Sizing
 - Strength
- *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
- *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

Track 3: Fluid Fundamentals

This track will focus on best available technologies and the progression of new technologies relating to the fluid mechanics of:

Potential Topics:

- Use of CMF in papermaking
- Rewet
- Control of sheet structure in the thickness direction
- Advanced sheet structure methods
- Simulation of papermaking: unit processes or entire machine
- Start-up of new machines and new technologies
- Rheology

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Collocated Papermaking Events

Control Systems 2018

Track 4: Control Systems

Held every two years, the **Control Systems Conference** is an international meeting in the area of process measurements and controls, and systems engineering for the pulp and paper industry. In 2018, the conference will be held in conjunction with TAPPI's **PaperCon 2018**. PaperCon has the largest pulp and paper technical program in the world and includes sessions in the areas of papermaking, coating, mill management, stock prep and fluid mechanics, process control and sustainability. The program is jointly organized by several divisions of TAPPI, including PIMA.

PaperCon attracts presenters and attendees from all major pulp and paper producing countries. By joining PaperCon, **Control Systems 2018** participants will have an excellent opportunity to network with technology, research and manufacturing peers from around the world.

Control Systems 2018 will emphasize both practical implementation of and leading research efforts on new and emerging process control technologies of interest to the paper industry.

We encourage you, as a practitioner or researcher, to present your paper at the conference and invite you to submit an abstract on relevant topics such as:

Potential Topics:

- Industry 4.0, industrial IOT, and digitalization applications, including big data analytics, cloud, AI, and collaborative applications
- Paper machine control applications
- Sheet measurement technologies
- Process control diagnostics and analysis
- Imaging and machine vision applications
- Pulp mill measurements and controls
- Woodyard applications

We will consider technically sound papers on various topic concerning pulp and paper control systems and related subjects that can potentially benefit pulp and paper producers, with a specific focus on experiences from real mill implementations. All papers will be peer-reviewed by members of an international program committee.

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Track 5: RPTA – Recycled Paperboard Technical Association Production-Technical Seminar

This track will focus on topics relevant to manufacturers of recycled board grades such as multi-ply paperboard, linerboard, tube and core, and gypsum liner.

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

- Maximizing Recycled Fiber Performance
 - Energy Reduction in Recycled Paperboard mills- Success Stories
 - Water Usage in Recycled Paperboard Mills
 - Reliability
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Visit TAPPI's [Speaker Management System](#) to
submit your abstract by **October 13, 2017.**

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Dates of note:

- **October 13, 2017** - [Abstracts due](#). Accepted abstracts will be invited to produce a full manuscript.
- **December 2, 2017** - Notification of acceptance and invitation to produce manuscript

You will work with your session chair during this time to produce and perfect materials

- **April 15-18, 2018** - PaperCon

Questions? Contact:

Speaker Management - Jessica Reaves by [email](#) or call 404-509-7477
PaperCon - Sarah Lunceford by [email](#) or call 770-209-7345