

2015 CALL FOR SUBMISSIONS ON RENEWABLE NANOMATERIALS

The 2015 Technical Committee invites abstracts for two main tracks: Fundamental Research and Industry Applications. All submissions will be reviewed by the conference Co-Chairs and Theme Leaders for acceptance.

PRESENTATION OPPORTUNITIES

Fundamental Research Track	Technical presentations on new scientific findings that advance knowledge in the field related to renewable or sustainable nanomaterials. Submissions on isolation, characterization, functionalities, self-assembly, dispersion phenomena and other properties of cellulose and other nanomaterials welcome
Industry Applications Track	Technical presentations that focus on the use and characterization of renewable nanomaterials for manufacturing applications are sought. Analysis of potential markets, market trends, and health and safety issues are welcome.
Technology & Product Showcase	New for 2015, companies are invited to participate in a special session to showcase commercial products (exempted from TAPPI's peer-reviewed process). Sponsors and exhibitors will be given priority on available slots. See www.tappi.org/15nano for more details.
For Students	Students are invited to submit posters or technical presentations, and are eligible to be considered for travel awards and participate in the student poster competition. See details below and on the conference website.

PRESENTATION TOPICS

FUNDAMENTAL RESEARCH TRACK	INDUSTRY APPLICATIONS TRACK
Colloids and Suspensions <ul style="list-style-type: none"> Stimuli responsive colloids Nanostructured matter by self-assembly Suspension rheology Grafting and Surface Modification <ul style="list-style-type: none"> Polymer grafting Surface modification Organic/inorganic hybrids Modeling and Simulation Renewable Nanomaterial Isolation & Separation <ul style="list-style-type: none"> Cellulose nanocrystals and nanofibrils Plant, algal, bacterial and other sources Lignin, heteropolysaccharides, chitosan, etc. Lab & Pilot-Scale Production <ul style="list-style-type: none"> Process Optimization New isolation & extraction methods Drying processes and re-dispersion techniques Separation processes Metrology <ul style="list-style-type: none"> Sizing, mechanical, chemical, optical, thermal, electrical, surface, and other properties Purity, molecular weight, crystallinity, etc. Thermal, electrical and other properties Toxicity, biocompatibility & Biodegradability 	Composites <ul style="list-style-type: none"> Thermoplastics and thermosets Membrane and films Aerogels and foams Composite processing Specialties <ul style="list-style-type: none"> Paints and Coatings Personal & Consumer Care Products Adhesives Construction materials Oilfield chemicals Catalysts Biomedicals <ul style="list-style-type: none"> Artificial implants Drug delivery Scaffolds Workplace Safety & Standards <ul style="list-style-type: none"> Current understanding and critical gaps Consumer perception and regulations Management of risks and perceptions Sustainability assessment, LCA



CONFERENCE CO CHAIRS:

Yaman Boluk – Professor, University of Alberta, Canada

Alain Dufresne – Professor, Grenoble Institute of Technology, France

Sean Ireland – Manager, New Technologies and Market Ventures, Verso Paper Corp., USA

STUDENT OPPORTUNITIES

Student Travel Awards

Abstracts submitted by students for oral presentations and posters will be reviewed and evaluated by a group appointed by the Technical Program Committee. Selected submissions will be awarded grants to cover partial travel expenses, as well as offer discounted conference registration fees.

Student Poster Competition

All accepted posters will be evaluated at the conference by a team of judges. The poster winners will be recognized at the conference, and the top poster presenters awarded a prize. The Student Poster Competition is sponsored by Verso Paper Corp.

ABSTRACT SUBMITTAL

Abstracts are due by **1 November 2014**. Submit title and 300 word or less abstracts via TAPPI's Speaker Management System: [click here](#) to sign in. Presentations are due by **15 May 2015**.

TAPPI's Commercial Guidelines have been relaxed for this conference. Company name and logo can be displayed on the presentation slides. Trade names can be used throughout the presentation.

REGISTRATION INFORMATION

Speakers must register by **1 May 2015** to confirm inclusion in the technical program. A reduced conference rate is available for speakers.

See www.tappi.org/15nano for more information.

Questions?

Technical Program: Lisa Stephens, lstephens@tappi.org 770-209-7313

Abstract Submittal Issues: Ben Hopper, bhopper@tappi.org, 770-209-7248