

2009 International Conference on Nanotechnology for the Forest Products Industry

Unlocking the Potential of Nano-Enabled Biomaterials

Edmonton, Alberta, Canada 23-26 June 2009

CALL FOR PRESENTATIONS/POSTERS

This annual, internationally recognized event brings together leading researchers, industry experts, government representatives and other stakeholders to share advances, perspectives and discuss new ideas and breakthrough concepts on nanotechnology-based advances in the forest products and related industries.

To leverage research advances and offer participants new opportunities for knowledge sharing, the 2009 Technical Program Committee invites contributions from participants working with nano-enabled bio-materials, products, and their processing. New perspectives on global opportunities, challenges and trends are sought to provide a foundation for new research and industrial activities. The organizers also encourage submissions on areas including law, policy, economics and environmental health and safety.

Everyone who submits an abstract for a presentation is also encouraged to submit the abstract for a poster. A Poster Reception will be held to enhance participant networking and discussion opportunities

MEETING PROGRAM CHAIRS:

Dr. J. Phillip E. Jones, Imerys

Dr. Nils Petersen, NRC National Institute for Nanotechnology

Dr. Theodore H. Wegner, USFS Forest Products Laboratory

ABSTRACT SUBMITTAL:

Submit abstracts to: nano@tappi.org by December 5, 2008.

See www.tappi.org/09Nano for abstract requirements.

QUESTIONS:

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FOR MORE INFORMATION, VISIT:

www.tappi.org/09NANO

CONFERENCE THEMES AND TOPICS

NanoComposites: Processing & Properties

- Paper and paperboard as nanocomposites
- Cellulose, inorganics, organics
- Biomimicry
- Nano manufacture & self-assembly
- Aerogels, matrix reinforced films & fibers
- Colloidal science, surface functionalization
- Nanocomposite manufacturing

New Generation Bioproducts

- Improvements to traditional products: wood, pulp & paper, agricultural fibers, and coatings
- Novel films, coatings, printing technologies
- Smart materials and sensing technologies
- Novel nanomaterials - nanomaterial manufacturing science & technology
- Developing products for other sectors: aeronautics, automotive, energy (traditional and non-traditional), environment, health & medical technologies, etc.

Nanoscale Characterization

- Metrology & novel imaging techniques
- Nanophotonics, mechanics, thermal, piezoelectric & novel properties techniques
- Particles, interfaces & surfaces
- Relating nanoscale to macroscale properties
- Wood, cellulose, other agricultural products, inorganics, organics

Global Challenges & Opportunities

- Forest derived nanomaterials as a source of renewable, sustainable materials
- Resource management & sustainability
- Climate change implications
- Human health and environment
- International Standards

Future Directions in:

- Research
- Technology development
- Industrial needs
- Economic trends
- Regulation and policy

