



The PLACE Flexible Packaging Symposium: New Technologies

Orange County Convention Center, Orlando FL

April 8, 2013 8:00 am - 5:30 pm

Innovations in Nanocomposites Session

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| 8:00 am - 8:30 am | Preparation Techniques for Nanoscale Cellulose Fibers
Presenter: Mike Bilodeau, University of Maine |
| 8:30 am - 9:00 am | Nano kaolins for Packaging Materials
Presenter: Phil Jones, IMERYS |
| 9:00 am - 9:30 am | Hybrid Antimicrobial Copper-cellulose based Nanocomposite embedded in Thermoplastic Resins for active Food
Presenter: Gloria Oporto, West Virginia University |
| 9:30 am - 10:00 am | Barrier & Mechanical Property Improvements In Flexible Packaging Films Using Nanocellulose
Presenter: Sean Ireland, Verso Paper |
| 10:00 am - 10:30 am | Break |
| 10:30 am - 11:00 am | Safety Aspects of Nanoparticles & Food Packaging
Jo Anne Shatkin, CLF Ventures, Inc. |
| 11:00 am - 11:30 am | Adhesion-Promotion Effects on Nanocomposite Films
Presenter: Rory Wolf, Enercon Industries |
| 11:30 am - 12:00 noon | Disruptive Innovations with Nanocrystalline Cellulose (NCC) and Flexible Packaging Industry |

Presenter: Yaman Boluk, University of Alberta

12:00 noon - 12:30 pm **Nanocellulose-based Coating Effects on Graphic Impact**

Presenter: Doug Bousfield, University of Maine

12:30 pm - 1:30 pm **Lunch**

Innovations in Barrier Session

1:30 pm - 2:00 pm **Packaging Film Fabrication Methods and Impact on Barrier**

Presenter: Gary Oliver, Polymer Processing Specialists, LLC

2:00 pm - 2:30 pm **Advancements in NanoLayer Cast Barrier Films for Flexible Packaging**

Presenter: Derek Ford, Cloeren

2:30 pm - 3:00 pm **How Good is Your Barrier Packaging in the Real World?**

Presenters: Nowrin Abedin, Celplast and Larry Jopko, Dow Chemicals

3:00 pm - 3:30 pm **Break**

3:30 pm - 4:00 pm **Managing Barrier Performance Through the Use of New Enhanced PE's and Application Design**

Presenter: Norm Aubee, NOVA Chemicals

Brand Launch, Shelf Appeal & Authentication Session

4:00 pm - 4:30 pm **Brand Launch Strategies Reinvented**

Presenter: Joe Forgét, Technetium

4:30 pm - 5:00 pm **Cast/Cure & Soft Touch**

Presenter: Tim Cain, Breit Technologies

5:00 pm - 5:30 pm **Brand Protection with botanical DNA-Containing Anti-Counterfeiting Ink**

Presenter: Tom Gladtko, Applied DNA Sciences