



September 24-25, 2019
North Carolina State University
Raleigh, North Carolina USA

PRELIMINARY AGENDA

[RISE® 2019 Website](#)

Keynote:

Andrea Ferris, Chief Executive Officer, Intrinsic Textiles Group, will provide a keynote presentation on the CiCLO technology that allows polyester to biodegrade in marine environments, wastewater treatment plants and landfill conditions at rates similar to fibers like wool. Hear how this technology contributes to the circular economy principles the entire industry is working towards.

Presenters:

Open Innovation and a Human-centered Approach for the Nonwovens Industry

Matthew Tipper, Ph.D., Business Director, Nonwovens Innovation & Research Institute
Explore two successful disruptive technologies that mapped innovation with the end user at the heart of the development process. Learn what this could mean for your next product development strategy.

Environmentally Friendly Sourced Resins, Fibers & Polymers Under Development

Behnam Pourdeyhimi, Ph.D., The William A. Klopman Distinguished Chaired Professor of Materials in the College of Textiles at North Carolina State University and Founding Executive Director of the Nonwovens Institute
Get the latest scientific research on sustainable materials that could have major implications for your products and new applications.

Innovation Using the Natural Circularity of Cellulose to Reduce Single Use Plastics

Tom Carlyle, Global Project Manager, Special Projects & Global Business Management, Lenzing Fibers Inc.

Discover what's new in innovative fibers. See how incorporating these next-level fibers could help reduce plastic waste in the environment and landfills.

Additive Technology to Enhance Biodegradation & Renewable Biopolymers to Replace Polyethylene and Polypropylene

Teresa Clark, Vice President of Product Development & Sustainability, ENSO Plastics

First 100% Recycled Biodegradable Performance Synthetic Fiber for Textiles

Vanessa Mason, Senior Vice President of Engineering, PrimaLoft

Hear about a revolutionary circular fiber with advanced properties. Learn how these unique properties allow accelerated biodegradation only under certain conditions along with reducing mass in landfills.

Nodax PHA Copolymers

Isao Noda, Chief Science Officer and Senior VP of Innovation, Danimer Scientific

Explore a unique class of completely biodegradable aliphatic polyesters (PHA). Learn how PHA with nontoxic chemicals was developed, making it an appealing alternative for food-contact, medical, or hygiene applications.

Developments on Next Generation Latex Binders for the Nonwoven Industry: A Formaldehyde-free, Self-cross-linking Technology Platform

Soren Butz, Ph.D., Global Head of Technical Service Textiles, Synthomer GmbH

Hear about recent advances in latex binders developed to be high performance and low-emission. Discover how this new binder technology could increase your line outputs and save energy.

Sustainable Additives: Susan Selke, Ph.D., Professor, Director, School of Packaging, Michigan State University

Discover why applying additives during nonwoven manufacturing may not be the optimal approach and how it could affect the performance of your products.

Innovation in Developing Antimicrobials

Nicholas Swain, CEO – Rep-L Antimicrobials, Inc.

Delve into the specifics for a next gen antimicrobial that can eliminate pathogens in most materials while reducing or avoiding side effects. See how this new nanofiber innovation could trigger and aid in healing skin diseases.

Microfibers & Aquatic Environments

Janet O'Regan, Director Strategic Initiatives, Nonwovens Marketing, Cotton Incorporated

Hear the latest research data to better understand the path of cotton and synthetic microfibers when they shed in the clothes washer, enter the waterways, and break down in fresh and salt water.

Patent Landscape in Nonwovens

Angela D'Orio, Ph.D. Candidate in Textile Technology Management, North Carolina State University, Principal Investigator: Behnam Pourdeyhimi, Ph.D.

Listen to in-depth research into the patent landscape across a wide range of market applications.

Market Dynamics & Trends that are Driving Innovation in Nonwovens

Brad Kalil, Director of Market Research & Statistics, INDA

Understand the factors driving market change and the potential impacts on the nonwovens industry. Learn how advances in materials and technologies along with the changing market and competitive landscape could affect your business.

Advances in 3-D Printing Relevant to Fibers, Nonwovens & Absorbent Articles

Olaf Isele, Metaxi SimBioSys LLC

Listen to the major advancements made in 3-D printing within the past two to three years—except in the engineered materials industry. Discover what is possible now and what needs to happen before 3-D printing can be a commercialized reality.

Intelligent Heating: A Flexible Conductive Coating for Nonwovens

Vicki A. Barbur, Ph.D., Senior Director, IP and Technology Commercialization, Battelle

Learn how your products could benefit from a smart additive that can generate even, gentle warming without impacting nonwoven's properties. Applications range from medical to heavy-duty construction materials.

A Fully Flushable Wipe with Zero Issues in Sewage Treatment

Sebastian Basel, Business Manager, Specialty Papers, Kelheim Fibres GmbH

Discover the latest sustainable fiber that claims to provide critical breakthrough by adjusting fiber properties to create “fully” flushable wipes and solving wastewater issues.