



News Release

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Contact: Peggy Pickett, Education Director
Tel: +1 919 549 3533; Fax: +1 919 549 8933
E-mail: pickettp@aatcc.org

AATCC Holds 2011 International Conference in Charleston, S.C., USA

RESEARCH TRIANGLE PARK, N.C., USA, Monday, February 7, 2011—AATCC's 2011 International Conference will return to the Francis Marion Hotel in Charleston, S.C., USA, March 22-24. The conference will feature three educational tracks which mirror the Association's interest groups: Chemical Applications, Concept 2 Consumer® (C2C), and Materials. Also featured will be the Herman and Myrtle Goldstein Student Paper Competition, poster session covering all areas of textile and materials research, a student Textile Bowl, tabletop exhibits, Welcoming Reception and Awards Luncheon.

The Chemical Applications track will address coloration/dyeing, wet processing, and sustainability.

- Increasing Dyehouse Efficiency with On-line Dyebath Monitoring—A Practical Perspective; Markus Bersinger, Mathias USA Inc.
- Flame and Thermal Test Methods Used to Characterize Textile Materials; Peggy Auerbach, Natick RD&E Center
- Comparison of Two Reference Methods for Determining Cotton Fiber Moisture; James Rodgers, Southern Regional Research Center, ARS, USDA
- Innovative Use of Gas Chromatography-Mass Spectrometry to Analyze the Effectiveness of Enzymatic Treatments on Cotton Fabrics; Susan S. Wilson, University of Georgia
- Low Wet Pickup Dyeing Using a Chemical Foam Application; Leonard T. Farias, Cotton Incorporated
- Systematic Approaches to Environmentally Friendly Azo Dyes; Harold Freeman, North Carolina State University
- A Quantum Leap in Dyeing Technology—Minimum Water, Maximum Quality; Michael Cheek, Huntsman
- The Impact of Best Practices for Textile Wastewater Minimization and Abatement on Economic Competitiveness; Gilbert O'Neal, Institute of Textile Technology
- Application of Low Level, Uniform Ultrasound Field for Acceleration of Enzymatic Bio-processing of Cotton; Brian Condon, Southern Regional Research Center, ARS, USDA
- Durable Antimicrobial Copolymers for Textile Fibers Based on Modified Polyethylenimines; Vikram P. Dhende, University of Georgia
- Durable Plasma-induced Graft Polymerization of C6-Fluorocarbon and Silicone Monomers on Nonwoven Substrates for Fuel Filtration Applications; Maryam Mazloumpour, North Carolina State University

- Odor Control Textiles: Is “Antimicrobial” Enough?; Jeffrey Trogolo, Agion Technologies

Sessions in the C2C track will include color communication, design development and merchandising, quality matters, and innovations.

- Minimum Fuss, Maximum Organization: Optimizing Color Managed Print Processing in Design for High Volume Output; Donald Beck, Lectra
- A Systematic Approach to Product Development and Quality Management; Doug Bynum, Natic Ag
- Plaids, Prints, Paper, and Plastic: Matching the Designer Selected Fabric Standard; John Darsey, Color Solutions International
- Using Color Measurement and Communication Tools Effectively—The Difference between “Data” and “Information”; Ann C. Laidlaw, X-Rite Inc.
- Top Trends in Visual Merchandising of Apparel Products; Janace Bubonia, Texas Christian University
- US Army Multicam Integration into Battlefield Uniforms; Jeffrey Myhre, US Army
- Technical Textiles & Sports Materials for the Baby Boomer Active Wear Market Helps Educate Future Designers and Product Developers; Phyllis Borcharding, University of Cincinnati
- Comparison of Thermal Resistance Between Two Garment Designs Driven by Material Characteristics Using a Thermal Manikin; Janet Brady, Philadelphia University
- AATCC Products that Help Deliver Right Product at the Right Time, Without Words You Don't Want To Hear; Mary Brannon, Fashion Institute of Design and Merchandising and Heidi Woodacre, Springfield LLC
- AATCC Proficiency Programs—Snapshots of the First Decade; Chris Leonard, AATCC
- Advances in UV Protective Clothing Offer an Affordable Route to Skin Cancer Prevention; Radhakrishnaiah Parachuru, Georgia Institute of Technology
- Performance Finishes: Consumers’ Expectations Versus Retail Reality; Kim Kitchings, Cotton Incorporated
- Quantifying the Carbon Footprint of a Sustainable T-shirt; Chris Binnicker, Anvil Knitwear Inc.
- Making Recycled Fibers Traceable, Transparent, and Certifiably Sustainable; Terry Turner, Unifi Inc.
- Wanted: Green Wardrobe Planners; Loretta Crippen, University of Arkansas
- New Wet Finishing Tools for Denim; Chuck Stewart, Tumbling Colors

The Materials track will focus on electronic/optoelectronic fibrous materials, technical textiles, fiber surface modifications, and innovative technologies.

- Ionically Conducting Hydrogel Strain Sensors on Textiles for Proprioception; Paul Calvert, University of Massachusetts
- From Dyestuffs to Quantum Dots for Coloration and Sensor Technology in “Smart Textile” Applications; Richard V. Gregory, Old Dominion University
- Printed Organic Rectifying Diodes: Issues, Interfaces, and Applications; Donald Lupo, Tampere University of Technology, Finland
- iCon Textile Compatible Conductor Yarns for Wearable Electronics; Rathna Perera, EY Technologies
- Static Generation and Dissipation on Polymer Surfaces; Tom Theyson, TensTech Inc.
- A Novel Method for Detecting Surface Defects in Virgin Polyester Implants; Mashuur Rahman, University of Manitoba, Canada

- Biodegradation of γ -sterilized Polypropylene Nonwovens; Brandi Keene, North Carolina State University
- Novel Anti-flammable Nanocoatings for Textiles; Jaime C. Grunlan, Texas A&M University
- Textile Applications of Nanoscopic Coatings via Microwave Technology; Steve Ribich, Alexium
- Nanofiber-Cotton Fabrics—New Developments; Seshadri S. Ramkumar, Texas Tech University
- Protein Fiber Powders and Their New Applications; Xungai Wang, Deakin University, Australia
- Thin, Conformal, High-Performance Electronics; Jeffrey D. Carbeck, MC10 Inc.
- Development of Novel Synthetic Turf Infill Materials; Richard Harper, Georgia Institute of Technology
- Structure-Property Relationships for Polymers Modified by Processing with Cyclodextrins; Ramakrishnan Krishnaswamy, North Carolina State University
- Application of Topical Flame Resist Finishes; J. M. Taylor, Lenzing AG

AATCC's 2010 recipient of the Olney Medal for outstanding achievements in the field of textile chemistry is Dr. Ian R. Hardin, University of Georgia. Hardin will present a paper titled, "The Organic Ties between Biology and Textile Chemistry: Fungi, Enzymes and Green Chemistry."

Register prior to February 22 to save US\$50! Register online at www.aatcc.org/IC.

Group rates of US\$149 per night have been secured at the Francis Marion Hotel, Charleston, S.C., USA. Call the hotel at +1 843 722 0600 or +1 877 756 2121 and mention the AATCC Conference to make reservations. Reservations must be made by 5:00 p.m. (EST) on February 18, 2011 to ensure room availability.

ABOUT AATCC: *AATCC is the world's leading not-for-profit association serving textile professionals since 1921. AATCC, headquartered in Research Triangle Park, N.C., USA, provides test method development, quality control materials, and professional networking for members in about 60 countries throughout the world.*

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