OLNEY MEDAL ADDRESS

The Organic Ties between Biology and Textile Chemistry: Fungi, Enzymes and Green Chemistry
Ian R. Hardin, University of Georgia

CHEMICAL APPLICATIONS TRACK

► SESSION: Herman and Myrtle Goldstein Student Paper Competition
Moderator: Renzo Shamey, North Carolina State University

The Effect of Texture on Perception and Measurement of Whiteness
Juan Lin, North Carolina State University

Multi-Scale Re-entrant Self-Cleaning Superhydrophobic Superoleophobic Textile Surfaces
Priscilla Tan, North Carolina State University
Synthesis and Characterization of Rare Earth Nanoparticles for Light Emitting Nanocomposite Polymers
Kyle Gipson, Clemson University

Creating a Color Management Process for Inkjet Digital Textile Printing
Katherine P. Polston, North Carolina State University

Microwave Irradiation to Improve Accessibility for Enzymatic Degradation of Cotton Seed Coat Fragments
Renuka Dhandapani, University of Georgia

Session: Coloration/Testing
Moderator: Ian R. Hardin, University of Georgia

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
Margaret A. Auerbach, U. S. Army Natick Soldier Research, Development, and Engineering Center

Comparison of Two Reference Methods for Determining Cotton Fiber Moisture
James E. Rodgers, Southern Regional Research Center, USDA

Innovative Use of Gas Chromatography-Mass Spectrometry to Analyze the Effectiveness of Enzymatic Treatments on Cotton Fabrics
Susan S. Wilson, University of Georgia

Session: Sustainability
Moderator: Bill Rearick, Cotton Incorporated

The Use of Chemical Foam Technology in Dyeing Applications
Leonard T. Farias, Cotton Incorporated

Systematic Approaches to Environmentally Friendly Azo Dyes
Harold S. Freeman, North Carolina State University

Quantum Leap in Reactive Dyeing Technology
Michael Cheek, Huntsman Textile Effects
The Impact of Best Practices for Textile Wastewater Minimization and Abatement on Economic Competitiveness
Gilbert O'Neal, Institute of Textile Technology

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SESSION: Wet Processing
Moderator: Peter Hauser, North Carolina State University

Ultrasonic Acceleration of Enzymatic Processing of Cotton
Brian Condon, Southern Regional Research Center, 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 on Nonwoven Substrates for Fuel Filtration Applications
Maryam Mazloumpour, North Carolina State University

Odor Control Textiles: Is “Antimicrobial” Enough?
Jeffrey A. Trogolo, Scisessent LLC

CONCEPT 2 CONSUMER® (C2C) TRACK

SESSION: Color Communication
Moderator: Mary Brannon, Fashion Institute of Design and Merchandising

Optimizing Color-Managed Print Processing for Fashion and Textile Design
Donald D. Beck, Lectra USA Inc.

Speeding Product Development and Accuracy—New Methods to Leverage Supply Chain Competence
Doug Bynum, Natific Ag

Plaids, Prints, Paper, and Plastic Must Match the Designer-selected Fabric Standard
John Darsey, Color Solutions International

Using Color Measurement and Communication Tools Effectively—the Difference Between “Data” and “Information”
Ann Laidlaw, X-Rite Inc.
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Kerry King, [TC]^2

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Janet L. Brady, Philadelphia University

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Chris Leonard, AATCC

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Terry Turner, Unifi Inc.  

**Wanted: Green Wardrobe Planners**
L. Kaye Crippen, University of Arkansas at Pine Bluff

**Getting More from your Denim: Denim Wash Protocols**
Charles W. Stewart, Tumbling Colors

**MATERIALS TRACK**

► **SESSION:** Electronic/Optoelectronic Fibrous Materials  
Moderator: Philip J. Brown, Clemson University

**Ionically Conducting Hydrogel Strain Sensors on Textiles for Proprioception**
Paul D. Calvert, University of Massachusetts-Dartmouth

**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

► **SESSION:** Fiber Surface Modifications  
Moderator: Martin I. Jacobs, National Textile Center

**Static Electricity and Textile Processing**
Tom Theyson, TensTech Inc.

**A Novel Method for Detecting Surface Defects in Virgin Polyester Implants**
Mashiur Rahman, University of Manitoba, Canada

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Brandi N. Keene, North Carolina State University
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Jaime C. Grunlan, Texas A&M University

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Robert Brookins, Alexium Inc.

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