

# Textile Futures Conference

North Carolina State University, College of Textiles  
August 13-15, 2008

## Program

### Wednesday, August 13, 2008

- 13:00      *Coach begins hotel pick up for delivery to College of Textiles*
- 13.30 – 14.30: **Registration – Atrium**
- 14.30:      **Conference Opening:** Prof. Harold Freeman, North Carolina State University, USA  
**Welcome Speeches:** Prof. Kunihiro Hamada, Shinshu University, Japan  
   Prof. Harold Freeman, North Carolina State University, USA  
**Conference Overview** Prof. Harold Freeman, North Carolina State University, USA
- 15.30:      **Coffee break**
- 16.00:      **Tours of textile facilities**
- 17.15:      **Setting up of poster sessions**
- 18.00:      **Welcome Reception at College of Textiles – Atrium**
- 20:30:      **Coach to hotels**

### Thursday, August 14, 2008 - Tomorrow's Textiles

- 07:30      *Coach begins hotel pick up for delivery to College of Textiles*
- 08:30 – 09:30: **Registration – Atrium**
- Session 1 – Textiles Auditorium – Room 2207      Prof. George Hodge - Chair**
- 09:00: Name: Michael Fralix, President & CEO, Textile Clothing Technology Corporation (TC)<sup>2</sup>, USA  
**L1 Title: Future Technologies in Support of a Sustainable Supply Chain**
- 09:40: Name: Jonas Larsson, Swedish School of Textiles, Sweden  
**L2 Title: Design of Mass Customized Garments**
- 10:00: Name: Jenna Eason, North Carolina State University, USA  
**L3 Title: Development Process for Interior Fabric for the Splinter Concept Vehicle**
- 10:20: Name: Kavita Mathur, Precision Fabrics Group, Inc., USA  
**L4 Title: Toward Automation of Color/Weave Selection in Jacquard Designs**
- 10:40:      **Coffee break**
- Session 2 - Textiles Auditorium – Room 2207      Prof. Richard Kotek - Chair**
- 11:00: Name: Midori Takasaki, Shinshu University, Japan  
**L5 Title: Ultra-fine Fibers Produced by Laser-Electrospinning**
- 11:20: Name: Yasuo Gotoh, Shinshu University, Japan  
**L6 Title: Iodine Utilization for Fiber Functionalization**
- 11:40: Name: Pravin Patel, M.S. University of Baroda, India  
**L7 Title: Commingling Technology for Technical Yarns for Thermoplastic Composites**
- 12:00:      **Lunch – Convocation Center**

**13:00 – 14:30      Session 3: POSTER PRESENTATIONS-      Atrium**

**Session 4 - Textiles Auditorium – Room 2207**      **Prof. Melissa Pasquinelli - Chair**

- 14:30: Name: John Hagedwood, J Hagedwood, LLC, USA  
**L8 Title: Where Bicomponent Nonwovens Fit in a Wovens World**
- 14:50: Name: Emma Kaappa, Tampere University of Technology, Finland  
**L9 Title: Protection and Encapsulation of Flexible Electronics**
- 15:30: Name: Kunihiro Hamada, Shinshu University, Japan  
**L10 Title: Wastewater Treatment using Polyelectrolyte/Bolaform Electrolyte Complexes**
- 15:10: Name: David Hinks, N.C. State University, USA  
**L11 Title: Color Management in the Textile Supply Chain**
- 15:30:            **Coffee break**

**Session 5 - Textiles Auditorium – Room 2207**      **Prof. Nancy Cassill - Chair**

- 15:50: Name: Stacey Frederick, North Carolina State University, USA  
**L12 Title: Analyzing, Visualizing, and Connecting the Textile Value Chain**
- 16:10: Name: Genessa Fratto, Cotton, Inc., USA  
**L13 Title: Meeting Consumers Expectations for Apparel: Fit, Fashion, Function, and Fiber**
- 16:30: Name: Serge Carrier, Université du Québec à Montréal, Canada  
**L14 Title: Apparel Smart Fashion Silhouette & Size Card: End of the Size Label?**

**All delegates**

- 17:00:            **Reception and Buffet Dinner at College of Textiles – Atrium**  
20:00:            **Coach to hotels**

**Friday, August 15, 2008 - Textile Education for the 21<sup>st</sup> Century**

- 07:30 **Coach begins hotel pick up for delivery to College of Textiles**

**Session 6 - Textiles Auditorium – Room 2207**      **Prof. William Oxenham - Chair**

- 09:00: Name: Trevor Little, North Carolina State University, USA  
**L15 Title: Textile Design Curricula for the 21<sup>st</sup> Century**
- 09:40: Name: Cassandra O'Connor, University of Bolton, UK  
**L16 Title: Developing Sustainability within a Fashion and Textile Curriculum**
- 10:00: Name: George Edmunds, Vice-President, Institute of Textile Technology, USA  
**L17 Title: Graduate Training for the Textile Industry: The ITT Fellows Program**
- 10:20: Name: Jeffrey A. Joines and Melissa A. Pasquinelli, N.C State University, USA  
**L18 Title: Use of Excel and VBA Methods in Textile Engineering Instruction**
- 10:40:            **Coffee break**

**Session 7 - Textiles Auditorium – Room 2207**      **Prof. Harold Freeman - Chair**

- 11:00: Name: Erin P. Smith and Timothy Clapp, North Carolina State University, USA  
**L19 Title: Academia and Entrepreneurship: Future Trends**
- 11:20: Name: Gerald R. Boss, Partner, Jones Day Law Firm, USA  
**L20 Title: Developing an IP Playbook for the Future**
- 11:50: Name: Billy Houghteling, Director - Technology Transfer, North Carolina State University, USA  
Russell Robinson, ITG-Global, USA  
Gerald R. Boss, Partner, Jones Day Law Firm, USA  
**L21 Title: Academia and Intellectual Property – A Panel Discussion**

- 12:20:            **Lunch – Convocation Center**

**Session 8 - Textiles Auditorium – Room 2207**

- 13:30:            **Closing Program**
- 14:40:            **Coffee break**
- 15:00:            **Coach departs for Streets of Southpoint Shopping Center**
- 17:00            **Coach leaves Shopping Center for Angus Barn**
- 17:30:            **Conference dinner at Angus Barn - one of the city's oldest restaurants**
- 20:30:            **Coach to hotels**

## **POSTER SESSION**

Name: Kavita Mathur, Precision Fabrics, USA

**P1 Title: *Stretch Properties of Knitted Fabrics Containing Spandex***

Name: Richard Kotek and Amit Gupta, North Carolina State University, USA

**P2 Title: *High Modulus Fibers Based on Polymers Forming Hydrogen Bonding***

Name: Helmut Hergeth, North Carolina State University, USA

**P3 Title: *Strategic Technology Roadmapping for Medical Nonwovens***

Name: Helmut Hergeth, North Carolina State University, USA

**P4 Title: *Textile Education and Entrepreneurship***

Name: Nazire Yilmaz, North Carolina State University, USA

**P5 Title: *Greenness Versus Functionality: Nonwoven Composites as Noise Control Elements***

Name: Ibrahim Elhawary, Alexandria University, Egypt

**P6 Title: *Behavior of Egyptian Cotton Yarns under the Impact of the Nano Quality Index***

Name: M. El Messiry, Alexandria University, Egypt

**P7 Title: *Effects of Inclination Spinning Triangle on the Properties of Spun Yarns***

Name: Sherwet Hussein, Alexandria University, Egypt

**P8 Title: *Quality and Economical Comparison between Compact and Singed Cotton Yarns***

Name: Li Zhang, Shinshu University, Japan

**P9 Title: *Preparation and Characterization of Carbon Nanofiber Reinforced PBI Composites***

Name: Kayoko Tono, Shinshu University, Japan

**P10 Title: *Micro 3D Culture for Skeletal Muscle-Derived Stem Cells using Hyaluronan-Collagen Based Capsules***

Name: Takamitsu Ueki, Shinshu University, Japan

**P11 Title: *Building of Energy Production System Using Photosynthetic Proteins***

Name: Omid Saligheh, Islamic Azad University, Iran

**P12 Title: *High Performance Composites from UHMWPE Fiber Laminates***

Name: Euigyung Jeong, North Carolina State University, USA

**P13 Title: *Synthesis and Mutagenic Properties of Substituted 4,4'-Diaminoazobenzene Dyes***

Name: Mehmet Ozturk, USA

**P14 Title: *Measurement and Characterization of Dyeing Levelness through Image Analysis***

Name: A. W. Kolhatkar and P.C. Patel, M.S. University of Baroda, India

**P15 Title: *Factors Influencing Garment Flammability and Hazard Potential***

Name: Vijaya Luniya, Jai Narain Vyas University, India

**P16 Title: *Exploratory Research on Textile Design from Sculptures of Rajasthani Havelis in Jaisalmer***

Name: Rakesh Patel, Creative Mills, Vapi, India

**P17 Title: *Salt-Free Reactive Dyeing of Chitosan and Quaternised Chitosan Pretreated Cotton***

Name: Mousa Najafi, National Petrochemical Company, STPC, Tehran, Iran

**P18 Title: *Measuring Forces Exerted on a Sewing Needle during Sewing***

Name: Dhara Panchal, Technical Executive, Zydex Industries, Vadodara, India

**P19 Title: *Jetring Spinning: A New Concept In Spinning Technology***

Name: Amir Haeri, Amirkabir University of Technology, Iran

**P20 Title: *Prediction of Friction Properties of Woven Fabric by Artificial Neural Network***