

## SUNDAY, MAY 17, 2009

3:00 – 7:00 PM Registration & Check-In

7:00 PM Cocktails

8:00 PM Dinner

## MONDAY, MAY 18, 2009

### *Morning Session*

7:30 AM Welcome

7:45 AM *Testing and Evaluation of Ensembles for Chemical and Biological Protection*

Speaker: Don Thompson  
North Carolina State University

Chemical and biological (CB) protection is important for many users - hospital staffs, emergency responders, industry and the military. The Textile Protection and Comfort Center at North Carolina State University has tools to evaluate protective gear for barrier and respiratory protection properties, for characterizing comfort and ergonomics, and for assessing heat stress when using. This presentation will focus on comprehensive testing and evaluation of CB gear, including NCSU's state-of-the-art Man-in-Simulant Test (MIST) facility.

9:15 – 9:30 AM Break

9:30 AM *Textile Technology and Capability Needs for the Warfighter's Individual Protection*

Speaker: Marc Mathews  
US Army Natick Soldier Research  
Development and Engineering Center  
(NSRDEC)

Research and development at the United States Army Natick Soldier Research Development and Engineering Center NSRDEC is conducted within a multitude of areas related to development of material and textile technology such as clothing, individual protection, collective protection, shelters, and air drop technologies. The presentation will describe the fundamental areas of textile research conducted at NSRDEC. In addition, the presentation aims to discuss current textile technologies being developed as well as those technologies and capabilities that are of interest for the future across the various textile based applications for the Warfighter. Finally, the presentation will give a brief overview of potential ways to conduct business with NSRDEC in the future. Technology areas to be discussed will include: Flame Protection, Chemical/Biological Protection, Ballistic Protection, Multifunctional Materials, Fiber Technology, Environmentally Sustainable Technologies, and Reactive Materials.

11:00 – 11:15 AM Break

11:15 AM *Enhancing the Wicking of Cotton Products Through Preparation and Finishing*

Speaker: Bill Rearick and Ed Turner  
Cotton Incorporated

Two studies to improve the moisture management of cotton products will be discussed. Improvements in wicking and other moisture management properties of cotton can be obtained by using these preparation chemistries. Additional benefits are realized with a specific finish that has been applied to well-prepared fabric.

12:45 PM Lunch

*Afternoon: Social Activities / Personal Time*

7:00 PM Cocktails

8:00 PM Dinner

## TUESDAY, MAY 19, 2009

### *Morning Session*

7:30 AM Welcome  
Election of Officers  
Amendments to By-Laws

7:45 AM *Technology and Applications of Nonwovens*

Speaker: Eunkyong Shim  
North Carolina State University

The nonwovens industry continues to broaden its market impact as it makes rapid progress in process and process modification. The wide spectrum of nonwoven manufacturing processes and endless combinations of those make nonwoven fabrics highly versatile and produce a variety of nonwoven products in different market segments – including hygiene, filtration, wipes, automotive, industrial and interlinings. Nonwoven process technology and its recent progress, developments of nonwoven product will be presented.

9:15 – 9:30 AM Break

9:30 AM *Color Complexities and Challenges in the 'Chain'*

Speaker: Carol Revels  
The Gap

This presentation will review how implementing color management and technology has connected a global supply chain and will share successes as well as challenges that keep us awake at night.

11:00 – 11:15 AM Break

11:15 AM ***Intellectual Property and  
the Industrial Scientist***

**Speaker:** **Deborah Lickfield,**  
Lickfield Consulting

This paper will provide a primer on intellectual property management for the working scientist, with a focus on patents. The discussion will include a look at the current state of patent prosecution and regulation at the USPTO and US courts.

12:45 PM **Conference Adjourns**

***Details for the 2009  
Southern Textile Research Conference***

Further information on the conference and a registration form can be obtained at the STRC web site, [www.TheSTRC.org](http://www.TheSTRC.org), or by contacting the Conference Secretary, (Michele Wallace, [MWallace@cottoninc.com](mailto:MWallace@cottoninc.com), 919-678-2417). Applications should be submitted no later than April 17, 2009 to the address on the registration form.

The six registration options listed below include room, meals, tips and taxes

Option 1: Includes 2 night stay (double occupancy)	\$ 640.00
Option 2: Includes 3 night stay (double occupancy)	\$ 685.00
Option 3: Includes 2 night stay (Single occupancy)	\$ 675.00
Option 4: Includes 3 night stay (Single occupancy)	\$ 775.00
Option 5: Includes 2 night stay with Spouse	\$ 890.00
Option 6: Includes 3 night stay with Spouse	\$ 990.00

–Late registration charge (after 4/17/09) \$75.00

–All of the above prices include a non-refundable registration fee.

–The registration fee and late registration charge are non-refundable.

**NOTE:** It is expected that attendees will share accommodations unless Option 3 or 4 is specifically requested and paid for.

*Please note and observe the following conference policies:*

Entertaining is not permitted.

Papers presented at the conference are not published by STRC.

Conferees are expected to attend all sessions.

Attendance is required at both evening meals.

Casual attire is appropriate for all conference events.

**2009 Officers**

**Kevin Jenkinson**  
ABEnzymes  
General Chairman

**Peter Hauser**  
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**George Henderson**  
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**Michele Wallace**  
Cotton Incorporated  
Secretary



*Welcome to the  
2009*

*Southern Textile  
Research Conference*

**“Progress Through  
Fundamentals”**

**May 17-19, 2009**

**at the**

**HILTON MYRTLE BEACH RESORT**  
Myrtle Beach, South Carolina



STRC operates under the auspices of the American  
Association of Textile Chemists and Colorists