Going Green in Greenville

Hyatt Regency—Greenville, SC, USA
March 10-12, 2020
Going Green in Greenville

CONFERENCE PROGRAM

Greenville, South Carolina is the site for AATCC’s 2020 International Conference (IC). The Hyatt Regency is the conference venue for the March 10-12 event. The Hyatt is located in the trendy downtown area of Greenville and is near the area’s best dining, shopping, and entertainment.

Our conference theme is **Going Green in Greenville**! Wednesday’s program will consist of a single track and feature a Sustainability Session, the Herman and Myrtle Goldstein Graduate Student Paper Competition, and a panel discussion organized by our Young Professionals’ Committee. Thursday’s program will consist of two tracks with sessions focusing on technology, comfort and wellness, e-textiles, and protective textiles/flammability.

**Conference Timetable**

<table>
<thead>
<tr>
<th>Tuesday, March 10</th>
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<tbody>
<tr>
<td>Registration</td>
<td>1:00 pm – 7:00 pm</td>
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<tr>
<td>Pre-conference tour of CU-ICAR</td>
<td>2:00 pm – 5:00 pm</td>
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<tr>
<td>Welcoming Reception (in exhibit area)</td>
<td>6:00 pm – 8:00 pm</td>
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<td>Posters Displayed</td>
<td>6:00 pm – 8:00 pm</td>
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<tr>
<th>Wednesday, March 11</th>
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<tbody>
<tr>
<td>Registration</td>
<td>7:15 am – 5:00 pm</td>
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<tr>
<td>Posters Displayed</td>
<td>8:00 am – 6:30 pm</td>
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<td>(Poster presenters present 5:30 – 6:30 pm)</td>
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<tr>
<td>Exhibits (continental breakfast)</td>
<td>7:30 am – 8:45 am</td>
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<tr>
<td>Keynote Presentation</td>
<td>9:00 am – 10:00 am</td>
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<tr>
<td>Sustainability Session</td>
<td>10:30 am – 2:45 pm</td>
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<tr>
<td>Herman &amp; Myrtle Goldstein Graduate Student Paper Competition</td>
<td>3:00 pm – 4:15 pm</td>
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<tr>
<td>Young Professionals Panel</td>
<td>4:15 pm – 5:15 pm</td>
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<tr>
<td>Reception (in exhibit area; exhibits open)</td>
<td>5:15 pm – 6:45 pm</td>
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<th>Thursday, March 12</th>
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<tbody>
<tr>
<td>Registration</td>
<td>8:00 am – 12:00 pm</td>
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<tr>
<td>Olney Medal Address</td>
<td>8:15 am – 8:55 am</td>
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<tr>
<td>Technology, Comfort &amp; Wellness Sessions</td>
<td>9:00 am – 11:45 am</td>
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<tr>
<td>Awards Luncheon</td>
<td>12:00 pm – 2:00 pm</td>
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<tr>
<td>E-textiles &amp; Protective</td>
<td>2:15 pm – 3:45 pm</td>
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<tr>
<td>Textiles/Flammability Sessions</td>
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<tr>
<td>Conference Closes</td>
<td>3:45 pm</td>
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WEDNESDAY, MARCH 11, 2020

9:00 am  **Keynote Presentation**
You. In the Pilot’s Seat—Elizabeth McCormick, former Black Hawk Pilot

10:00  Break

10:30 am – 12:00 pm **Sustainability Session**
*Moderator: Barry P. Brady, Organic Dyes and Pigments LLC*

10:30  **Microfibre Release from Textiles: The Evolving Journey of Understanding**—Craig Lindemann, W.L.Gore & Associates Inc.

11:00  **Reducing Synthetic Microfiber Pollution**—Andrea Ferris, Intrinsic Advanced Materials

11:30  **Recycled Content in Textiles**—Robert Demianew, Control Union Certifications North America

1:45  **Lands’ End’s Sustainable Initiatives**—Dave Burreson, Lands’ End

2:15  **Visible Light Photocatalytic Functional TiO2/PVDF Nanofibers for Dye Pollutant Degradation**—Seshadri Ramkumar, Texas Tech University

3:00 – 4:15 pm **Herman and Myrtle Goldstein Graduate Student Paper Competition**
*Moderator: Kanti Jasani, Performance & Technical Textile Consulting*

4:15 – 5:15 pm **Young Professionals Presentation/Panel Discussion**
*Session Leader: Apurba Banerjee, brrr*, Young Professionals Committee Co-Chair

THURSDAY, MARCH 12, 2020

EDUCATIONAL TRACK ONE

9:00 – 11:45 am  **Technology Session**
*Moderator: Nelson E Houser, HTC Consultants*

9:00  **Developments in Digital Textile Printing Technology**—Katelyn Lee, Cotton Incorporated

9:30  **Squid-Inspired Tandem Repeat Proteins: Functional Fibers and Films**—Melik C. Demirel, Pennsylvania State University

10:00  Break

10:15  **Green, Recyclable and Paradigm Shifting Radiant Blocking Fiber**—Frank McCullough, Carbtx Technology Inc.

10:45  **How Graphene Fiber Technology Can Work for You: Application of Graphene Fiber in Textiles**—Matt Reid, Graphene One

11:15  **Advances in Polyester Yarn and Fiber**—Alex Gudac, Unifi Manufacturing Inc.

2:15 – 3:45 pm  **E-textiles Session**
*Moderator: Chris Jorgensen, IPC International Inc.*

2:15  **Wash Durable CNT Yarns for Wearable E-Textile Applications**—Md. Milon Hossain, North Carolina State University

2:45  **Smart Fabrics for the Furniture Industry: What Might They Be? What Problems do They Solve?**—David Dean, Glen Raven Custom Fabrics

3:15  **Energy Storage Devices in Textiles by Knitting MXene Yarns**—Ariana Levitt, Drexel University
EDUCATIONAL TRACK TWO

9:00 – 11:45 am  

Comfort and Wellness Session
Moderator: Dennis C. Scheer, SST Technology Solutions, Inc.

9:00  
Renewable, Cost-effective, Comfortable, High Moisture Regain Fabrics Based on Bio derived Polymers—Phil Brown, Clemson University

9:30  
Practical Consequences of Radiant Heat Exchange Theory to Clothing Design—Emiel DenHartog, North Carolina State University

10:00  
Break

10:15  
Textile Odor Testing—Methods Development to Meet Changing Industrial Needs—Siqi (Lance) Li, Microban International Ltd.

10:45  
Using Three-Dimensional Body Scanning to Investigate the Ergonomic Fit of Personal Protective Clothing for Female Firefighters—Meredith McQuerry, Florida State University

11:15  
Novel Modeling Method to Evaluate the Thermo-regulating Behavior of Micro Encapsulated PCMs Coated Fabric—Muhammad Owais Raza Siddiqui, NED University of Engineering & Technology, Pakistan

2:15 – 3:45 pm  

Protective Textiles/Flammability Session
Moderator: Robina C. Hogan, Frankl & Thomas Inc.

2:15  
Progresses in Development of Biocidal Textiles for Personal Protection—Gang Sun, University of California, Davis

2:45  
Flammability Testing for Protective Clothing—Amanda H. Newsom, UL LLC

3:15  
Qualitative and Quantitative Analysis Methods for Assessment of Contamination on Firefighter Turnout Gear—R. Bryan Ormond, North Carolina State University

Note: Program is subject to revision, additions, and change. Please refer to www.aatcc.org/ic for the latest updates.

PRESENTATION ABSTRACTS
Presentation abstracts for the Educational Tracks may be viewed at AATCC’s website, www.aatcc.org/ic.

KEYNOTE PRESENTATION  
9:00 A.M., MARCH 11
Elizabeth McCormick, former Black Hawk Pilot and disabled veteran, will provide the keynote presentation, “YOU. In the Pilot’s Seat.” McCormick will share professional development secrets for success with stories of overcoming overwhelming obstacles as a helicopter pilot while inspiring YOU to Soar 2 Success!
**POSTER SESSION**
Posters will be available for viewing March 10 from 6:00 – 8:00 pm and all day on the 11th. Presenters will be in attendance on March 11 from 5:30 – 6:30 pm to discuss their research and address questions.

**TABLETOP EXHIBITS**
Tabletop exhibits will feature color management software, systems, and solutions; auxiliaries; dyes, and chemicals; and testing equipment and services for the apparel and textile wet processing industry. Exhibits will be open March 10 during the Welcoming Reception and from 7:30 – 8:45 am and 5:15 – 6:45 pm on March 11. A continental breakfast will be served in the exhibit area on March 11 and a reception will be held in the exhibit area that afternoon. Admittance to the exhibit area will require a conference badge.

**EXHIBIT OPPORTUNITIES**
For information on exhibiting visit our website, [www.aatcc.org/ic](http://www.aatcc.org/ic).

**PRE-CONFERENCE EVENT**
**TOUR OF CU-ICAR**
2:00 – 5:00 pm Tuesday, March 10
Plans are underway for a pre-conference tour of Clemson University’s International Center for Automotive Research (CU-ICAR) on the afternoon of March 10. Participants will see research labs for manufacturing equipment, engine dyno rooms, the Connected and Autonomous Vehicles Lab, and some concept cars built by automotive engineering students. Details once finalized will be posted on the conference’s website.

The pre-conference tour requires a separate registration fee. Limited availability—first come, first served. You must be registered to attend the IC in order to participate.

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**Keynote Presentation**

**Wednesday, March 11, 9:00 am**

“YOU. In the Pilot’s Seat”

Elizabeth McCormick, former Black Hawk pilot and disabled veteran, will provide the keynote presentation, “YOU. In the Pilot’s Seat.” McCormick will share professional development secrets for success with stories of overcoming overwhelming obstacles as a helicopter pilot while inspiring YOU to Soar 2 Success!

You will leave knowing how to:
- Unlock the key to boosting YOUR confidence, elevating your effectiveness with customers and co-workers (even your family)
- Interactive, out of the seat exercise to prove the power of language on your personal power and your impact on those around you
- Discover the key success principle while learning to FLY a helicopter (YES REALLY!)
- Soar to a higher level of advancement through influencing others to lead
**CONFERECE EVENTS**

**WELCOMING RECEPTION**
Socialize with your colleagues and visit the tabletop exhibits while enjoying hors d’oeuvres and beverages during the 6:00 – 8:00 pm reception on March 10.

Full registration includes ONE ticket to the Welcoming Reception. Additional tickets may be ordered in advance at US$40 each.

**AWARDS LUNCHEON**
The Awards Luncheon will be held from 12:00 – 2:00 pm on Thursday, March 12. The program will feature the presentation of the Olney Medal for outstanding achievement in textile chemistry, the Harold C. Chapin Award for service to AATCC, the TCR Service Award, the J. W. Weaver Award for best paper published in *AATCC Journal of Research*, and the winners of the Herman and Myrtle Goldstein Graduate Student Paper Competition.

Full registration includes ONE ticket to the Awards Luncheon. Additional tickets may be ordered in advance at US$45 each.

**OLNEY MEDAL ADDRESS**
The Olney Medal Address will be presented on Thursday, March 12, from 8:15 – 8:55 am

**HERMAN AND MYRTLE GOLDSTEIN GRADUATE STUDENT PAPER COMPETITION**
The Herman and Myrtle Goldstein Graduate Student Paper Competition will be held Wednesday, March 11, from 3:00 – 4:15 pm. Papers are judged on originality, scientific value, and presentation. Results of the competition will be announced at the Awards Luncheon.

**YOUNG PROFESSIONALS PANEL DISCUSSION**
‘Early Career Advice for Young Professionals from Emerging and Seasoned Leaders in Textiles’

*Panelists: Karen Leonas, North Carolina State University; Kerry King, Spoonflower Inc.; and Renuka Dhandapani, Cotton Incorporated*

Come join the Young Professionals’ Committee as they celebrate some of AATCC’s emerging and seasoned leaders in textiles while asking the hard questions like: what are the biggest hurdles to success in today’s textile industry?, how can YPs have a strong voice in our career path and still maintain the respect of the leaders/organizations we work for/with?, how can we incorporate our values and passions (i.e. sustainability, diversity/inclusion, family, life outside of work, etc.) into our careers and still build the resilience we need for success? This session will include both a panel and an opportunity to network with other incredible AATCC IC attendees.

**CONFERENCE VENUE**
The conference will be held at the Hyatt Regency in Greenville, South Carolina, USA. The Hyatt is located in downtown Greenville and is near the area's best dining, shopping, and entertainment.

**ACCOMMODATIONS INFORMATION**
A room block has been reserved at the Hyatt Regency, 220 N. Main St., Greenville, South Carolina USA, +1 864.235.1234. Reservations should be made directly with the hotel and attendance at the AATCC conference should be specified to receive the group rate of US$169 single/double.

The group rate will be available until February 17th unless the AATCC room block is filled prior to the cutoff date. After the 17th or once the room block is filled, the prevailing room rate will apply.
A first night’s room and tax deposit are due with each reservation. Deposits may be made by check or charged to an accepted credit card. Any changes to your hotel reservation must be made directly with the hotel.

REGISTRATION INFORMATION
Pre-registration deadline: Monday, February 17.
On-line: (payment by credit card only)
Go to www.aatcc.org/ic
Fax: (payment by credit card only) Complete the registration form and fax to +1.919.549.8933.
Mail: (payment by credit card or check) Check should be made payable to AATCC in US dollars drawn on a US bank. Mail check to AATCC, PO Box 12215, Research Triangle Park, NC 27709-2215 USA. The Association will accept MasterCard, VISA, or American Express.

Pre-registrants will be sent confirmations. After February 17, you must register on site and increased fees will apply. Badges, function tickets, and conference materials may be picked up on site at the AATCC Registration desk located in the Hyatt Regency. A conference badge is required to enter all the sessions and exhibits. Lost badges will be replaced at a cost of US$35 each.

CANCELLATION/REFUND POLICY
Registration cancellations received in writing by February 17 at the AATCC Technical Center will be honored minus a US$75 administrative fee. No refunds will be given after February 17. Cancellation requests may be faxed, e-mailed, or mailed to AATCC, PO Box 12215, Research Triangle Park, NC 27709-2215 USA; fax +1.919.549.8933; e-mail nicholk@aatcc.org.

SPONSORSHIP OPPORTUNITIES
Sponsorship opportunities are available to promote a company’s presence at our conference. A list of these sponsorships and the minimum contributions are posted on our website at www.aatcc.org/ic.

CONFERENCE PROCEEDINGS
Conference papers and/or PowerPoint presentations will be made available for download to attendees prior to the conference.

OPEN TO ALL
The conference is open to anyone who would like to attend. Visit AATCC’s website, www.aatcc.org/ic, for the latest updates on the 2020 International Conference.

WHO SHOULD ATTEND
Apparel brand managers
Brands and retailers
Design and application engineers
Dyeing managers
Fabric and garment development personnel
Dyeing managers
Fibers, dyes and chemicals suppliers
Lab personnel
Materials researchers & developers
Plant and manufacturing personnel
Product developers
Product specifiers
Production managers
Quality assurance personnel
R&D managers
Sales and marketing executives
Sourcing managers
Supply chain partners
Technical directors

STAY TO THE END TO WIN
We will have a drawing at the conclusion of Thursday’s program for two Apple Watches. Tickets will be provided to all in attendance and you must be present to win.