# 2022 PROGRAM

## TUESDAY, OCTOBER 4, 2022

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 – 7:00 PM</td>
<td>Summit Registration/Check-In Open</td>
<td>Midway</td>
</tr>
<tr>
<td>6:00 – 7:30 PM</td>
<td>Reception</td>
<td>Exhibit Area—University/Glenwaters</td>
</tr>
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## WEDNESDAY, OCTOBER 5, 2022

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:00 AM – 7:00 PM</td>
<td>Summit Registration Open</td>
<td>Midway</td>
</tr>
<tr>
<td>By Appointment</td>
<td>Professional Headshots</td>
<td>Keynes</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Doors Open</td>
<td>Lakeshore Pre-function</td>
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<tr>
<td>8:00 AM – 7:30 PM</td>
<td>New Research Showcase Poster Display</td>
<td>Lakeshore</td>
</tr>
<tr>
<td>8:15 AM</td>
<td>Welcome and Opening Remarks</td>
<td>Lakeshore</td>
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### FIBER INNOVATION
**Moderator: Nelson Houser, Retired Archroma US**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:20 AM</td>
<td>Super Sorptive and Super Active Cotton Fabrics for Biological and Chemical Protections</td>
<td>Lakeshore</td>
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<tr>
<td></td>
<td>Gang Sun, University of California, Davis</td>
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<tr>
<td>8:50 AM</td>
<td>Squitex: All-Natural Performance Fabric</td>
<td>Lakeshore</td>
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<td></td>
<td>Melik Demirel, Pennsylvania State University</td>
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<tr>
<td>9:20 AM</td>
<td>A Spandex Fiber with Hybrid Properties for Customized Fitting</td>
<td>Lakeshore</td>
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<td></td>
<td>Guan Wang, The LYCRA Company</td>
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<tr>
<td>9:50 AM</td>
<td>Fibers and Textiles from Chicken Feathers</td>
<td>Lakeshore</td>
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<tr>
<td></td>
<td>Yiqi Yang, University of Nebraska-Lincoln</td>
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<tr>
<td>10:20 AM – 10:40 AM</td>
<td>Morning Break</td>
<td>Exhibit Area—University/Glenwaters</td>
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<tr>
<td></td>
<td>Visit the Summit Showroom Exhibits</td>
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### FIBER INNOVATION (continued)
**Moderator: Nelson Houser, Retired Archroma US**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>10:40 AM</td>
<td>Kyorene Graphene Functional Fibers Properties, Applications, and Proper Test Methodology</td>
<td>Lakeshore</td>
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<td></td>
<td>David Vanek, Graphene One LLC</td>
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### INNOVATIONS IN TEXTILES AND TESTING
**Moderator: Heather Johnson, American & Efird LLC**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>11:10 AM</td>
<td>Recycled Polyester Testing and Verification</td>
<td>Lakeshore</td>
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<tr>
<td></td>
<td>Sandeep Khatua, TÜV SÜD America</td>
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<tr>
<td>11:40 AM – 11:45 PM</td>
<td>5-minute Transition Break</td>
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<tr>
<td>Time</td>
<td>Session</td>
<td>Location</td>
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<tr>
<td>11:45 AM</td>
<td><strong>PFAS TUTORIAL</strong>&lt;br&gt;Moderator: Dennis Scheer, SST Technology Solutions, Inc.</td>
<td>Burnham</td>
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<tr>
<td></td>
<td>PFAS—Regulations and Understanding the Implications for Your Products&lt;br&gt;Pankajkumar Sarda, Intertek</td>
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<tr>
<td>11:45 AM – 12:45 PM</td>
<td><strong>ELECTRONIC COLOR MANAGEMENT PRESENTATIONS AND ROUNDTABLE</strong>&lt;br&gt;Moderator: Andrew Fraser, LKH Sourcing&lt;br&gt;Doug Bynum, Natific USA; Tim Williams, Color Solutions International</td>
<td>Walden</td>
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<tr>
<td></td>
<td><strong>INNOVATIONS IN TEXTILES AND TESTING (GENERAL SESSION)</strong>&lt;br&gt;Moderator: Heather Johnson, American &amp; Efird LLC</td>
<td>Lakeshore</td>
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<tr>
<td></td>
<td>Wicking Tests Revisited—Overview of Relevance and Discrepancies Between Methods&lt;br&gt;Emiel DenHartog, North Carolina State University (NCSU)</td>
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<td>Antimicrobial Technology Using Sequestered Hydrogen Peroxide in Performance Finish Applications Suitable for Protective Fabrics&lt;br&gt;Bernd Liesenfeld, Quick-Med Technologies</td>
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<tr>
<td>12:45 PM</td>
<td><strong>Boxed Lunch—Exhibitor Summit Sessions</strong>&lt;br&gt;Live Summit Sessions—Moderator: Barry Brady, Organic Dyes and Pigments LLC, Textile Discovery Summit Chair</td>
<td>Exhibit Area—University/Glenwaters</td>
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<td></td>
<td>• Organic Dyes and Pigments LLC • James Heal • SDL Atlas • emtec Electronic GmbH • Color Solutions International • Testfabrics</td>
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<tr>
<td>2:05 PM – 3:05 PM</td>
<td><strong>ODOR CONTROL (MICRO SESSION)</strong>&lt;br&gt;Moderator: Bob Monticello, International Antimicrobial Council</td>
<td>Burnham</td>
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<td>The AATCC TM30-2017e Test Method and ASTM E3227-20 Standard Test Practice are Complementary Approaches for Evaluating the Performance of Antifungal Technologies&lt;br&gt;Alicia McClain, Microbiologist, International Antimicrobial Council</td>
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<td>Assessment of Odor Control Technologies Using Chemical Analysis by Headspace Chromatography&lt;br&gt;Peter Nastasi, Microban Products Company</td>
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<td>2:05 PM – 3:05 PM</td>
<td><strong>SUSTAINABLE DYEING &amp; FINISHING (MICRO SESSION)</strong>&lt;br&gt;Moderator: Nelson Houser, Retired Archroma US</td>
<td>Walden</td>
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<td>Dyeing Innovations Improve Sustainability and Cost&lt;br&gt;Hardy Sullivan, Thies Corp.</td>
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<td>Sustainable Finishing Technologies&lt;br&gt;Michael Schuhmann, Archroma</td>
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<td>3:05 PM – 3:10 PM</td>
<td><strong>SMART TEXTILES (GENERAL SESSION)</strong>&lt;br&gt;Moderator: Robina Hogan, Frankl &amp; Thomas Inc.</td>
<td>Lakeshore</td>
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<td>A Colorimetric Biosensor Made by Polydiacetylene Nanofibers for a Rapid Detection of SARS-CoV-2&lt;br&gt;Abhishek Bhattacharjee, Colorado State University</td>
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<td>Gel-Free Velcro Hook Textile Electroencephalography Electrode for Brain Activity Monitoring&lt;br&gt;Granch Berhe Tseghai, Ghent University</td>
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<tr>
<td>3:10 PM</td>
<td><strong>SUSTAINABILITY</strong>&lt;br&gt;Moderator: Carol Revels, Lands’ End Inc.</td>
<td>Lakeshore</td>
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<td></td>
<td>Recycling in the Global Textile Complex: The Future and Technology That Will Take Us There&lt;br&gt;Karen K. Leonas, North Carolina State University (NCSU)</td>
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</tbody>
</table>
**SUSTAINABILITY**  
Moderator: Carol Revels, Lands’ End Inc.

- **4:30 PM**  
  Recycled Content Verification Methods from Chain of Custody to Testing to Ensure Claim Validity & Regulatory Compliance  
  Min Zhu, SGS North America  
  Location: Lakeshore

- **5:00 PM**  
  Upcycling Textile Wastes into Bio-based Building Blocks: Challenges and Opportunities Toward a Novel, High Yield, and Low Carbon Footprint Conversion Process  
  Ramon E. Vera, North Carolina State University (NCSU), Department of Forest Biomaterials (collaboration between Cotton Incorporated and NCSU)  
  Location: Lakeshore

- **5:30 PM**  
  Sustainability Panel  
  Moderator: Carol Revels, Lands’ End Inc.  
  Location: Lakeshore

- **6:00 PM**  
  Wrap-Up  
  Barry Brady, Organic Dyes and Pigments LLC, Textile Discovery Summit Chair  
  Location: Lakeshore

**THURSDAY, OCTOBER 6, 2022**

- **7:55 AM**  
  Morning Remarks  
  Barry Brady, Organic Dyes and Pigments LLC, Textile Discovery Summit Chair  
  Location: Lakeshore

- **8:00 AM**  
  Olney Medal Address  
  Moderator: Harrie Schoots, AATCC President, Revive USA Textile Consulting  
  **A Small Step Towards a More Sustainable, Responsible, and Profitable Textile Industry**  
  Yiqi Yang, University of Nebraska-Lincoln  
  Location: Lakeshore

- **8:30 AM**  
  Herman and Myrtle Goldstein Graduate Student Paper Competition  
  Moderator: Kanti Jasani, Performance & Technical Textile Consulting, Competition Chair  
  Location: Lakeshore

- **9:20 AM – 10:20 AM**  
  **RECYCLED FIBERS ROUNDTABLE**  
  Moderator: Carol Revels, Lands’ End Inc.  
  Location: Burnham

- **9:20 AM – 10:20 AM**  
  **SMART FABRICS TUTORIAL PRESENTATION AND DISCUSSION**  
  Moderator: Heather Johnson, American & Efird LLC  
  Exciting Advancements in Smart Fabrics and E-Textiles  
  Melissa Wye, Advanced Functional Fabrics of America (AFFOA)  
  Location: Walden

- **10:20 AM – 10:40 AM**  
  Morning Break  
  Location: Lakeshore

- **10:40 AM**  
  **ADVANCED TECHNOLOGY IN DYEING AND FINISHING (GENERAL SESSION)**  
  Moderator: Dennis Scheer, SST Technology Solutions, Inc.  
  A Sustainable Way of Finishing, Advantages of Contactless Spray Application  
  Yiannis Vasilionikolos, Baldwin Jimek AB  
  DyStar’s Solutions for Environmentally Friendly Exhaust & Continuous Dyeing of Polyester  
  Celio Missaka, DyStar  
  Location: Lakeshore

- **11:10 AM**  
  AVITRTA SE: A Sustainable Step Change in the Dyeing of Cotton  
  John Williams and Matthew Hodge, Huntsman Textile Effects  
  Location: Lakeshore

- **11:40 AM**  
  Sustainable Dyeing of Polyamide  
  Mark Dohmen, Archroma  
  Location: Lakeshore

- **12:10 PM**  
  Advanced Technology in Dyeing and Finishing Panel  
  Moderator: Dennis Scheer, SST Technology Solutions, Inc.  
  Location: Lakeshore

- **12:40 PM – 2:15 PM**  
  Awards Luncheon/Raffle/Closing Remarks  
  Location: University
RECEPTION (Exhibit Area—University/Glenwaters)
TUESDAY, OCTOBER 4, 6:00 – 7:30 PM
Reconnect with friends and colleagues in the exhibit showroom while enjoying light refreshments and beverages.

SUMMIT SHOWROOM EXHIBITS (University/Glenwaters)
TUESDAY, OCTOBER 4, 6:00 – 7:30 PM
WEDNESDAY, OCTOBER 5, 10:20 – 10:40 AM, 12:45 – 2:05 PM, 4:10 – 4:30 PM, 6:00 – 8:00 PM
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 October 4 during the Reception and on October 5, including live Summit Sessions from 10:20 – 10:40 am, 12:45 – 2:05 pm and 4:10 – 4:30 pm.

A boxed lunch will be served in the exhibit area on October 5 and a reception will be held in the exhibit area that evening from 6:00 pm – 8:00 pm. Admittance to the exhibit area will require a conference badge.

NEW RESEARCH SHOWCASE
POSTER DISPLAY (Lakeshore Pre-function)
TUESDAY, OCTOBER 4, 6:00 – 7:30 PM (Viewing)
WEDNESDAY, OCTOBER 5, 6:00 – 8:00 PM (Viewing)
WEDNESDAY, OCTOBER 5, 6:30 – 7:30 PM (Poster presenters in attendance)

PROFESSIONAL HEADSHOTS (Keynes)
WEDNESDAY, OCTOBER 5 (BY APPOINTMENT)
Professional headshots by Devin Steele, eTextileCommunications (eTC), will be available on October 5. Textile veteran and well-known industry-photographer, Devin Steele, will capture the images for people who are seeking an updated headshot! You must sign up in advance. Reserve your spot at the registration desk.

CHOOSE YOUR SESSION (Multiple Rooms)
WEDNESDAY AND THURSDAY
Attendees will have an opportunity to choose between attending educational tutorials, roundtable breakout, or micro sessions. The tutorials and micro sessions are educational and meant to provide a learning experience for attendees, taught by industry experts. The roundtable discussions are topic-specific, interactive discussions, led by knowledgeable facilitators. These sessions will give you a chance to learn and connect with others in smaller group settings. If you prefer, you may stay on track and attend the general session. To participate in a tutorial, roundtable, or a micro session you must choose your activity in advance and reserve your seat at the registration area. Secure your spot—seating is limited.

BOXED LUNCH (Exhibit Area—University/Glenwaters)
WEDNESDAY, OCTOBER 5, 12:45 – 2:05 PM
A boxed lunch will be available in the exhibit area. Visit the tabletop exhibits and hear live Summit Sessions while enjoying lunch. Admittance to the exhibit area will require a conference badge.

RECEPTION (Exhibit Area—University/Glenwaters)
WEDNESDAY, OCTOBER 5, 6:00 – 8:00 PM
Socialize with colleagues and visit the tabletop exhibits while enjoying hors d’oeuvres and beverages.

OLNEY MEDAL ADDRESS (Lakeshore)
THURSDAY, OCTOBER 6, 8:00 – 8:30 AM
“A Small Step Towards a More Sustainable, Responsible, and Profitable Textile Industry”—Yiqi Yang, University of Nebraska-Lincoln

HERMAN AND MYRTLE GOLDSTEIN GRADUATE STUDENT PAPER COMPETITION (Lakeshore)
THURSDAY, OCTOBER 6, 8:30 – 9:15 AM
Student papers are judged on the basis of originality, scientific value, practical value, and presentation. Monetary awards are given to the students presenting the top entries.

The following judges have been selected for the 2022 competition: Magali Brown, Eastman Chemical; Dallas Crotts, Cekal Specialties Inc.; Renuka Dhandapani, Cotton Incorporated; and Frank Little, Piedmont Chemical Industries Inc. Kanti Jasani, Performance & Technical Textile Consulting, is chair of the competition.

AWARDS LUNCHEON (University)
THURSDAY, OCTOBER 6, 12:40 – 2:15 PM
Program includes the presentation of the Louis A. Olney Medal for outstanding achievement in textile chemistry, the Harold C. Chapin Award for service to AATCC, the Henry E. Millson Award for Invention, AATCC TCR Service Award, the AATCC Education Award, the J. W. Weaver Paper of the Year Award for best paper published in AATCC Journal of Research, AATCC Future Leaders Awards, AATCC Student Faculty Advisor Award, and the winners of the Herman and Myrtle Goldstein Graduate Student Paper Competition.

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

THANK YOU TO OUR EXHIBITORS AND SPONSORS

ROYAL EXHIBITORS:
- CSI/DyStar
- emtec Electronic GmbH
- James Heal
- Organic Dyes & Pigments
- SDL Atlas
- Testfabrics Inc

CLASSIC EXHIBITORS:
- A.B. Carter Inc/Mesdan Lab
- ATI Corp
- Datacolor
- Hohenstein

SUMMIT SPONSORS:
- Cekal Specialties Inc
- Cotton Incorporated