

AATCC 2023 TEXTILE DISCOVERY SUMMIT
NC-170 SESSION SCHEDULE

TUESDAY, SEPTEMBER 12, 2023

Moderator: Gang Sun, University of California, Davis, CA

- 1:30-1:40 OPENING REMARKS**
- 1:40-2:00 Developing Protective Coverall Designs for Pregnant Women**
Fatma Baytar, Cornell University, Ithaca, NY
- 2:00-2:20 Firefighter Turnout Gloves: Holistic Evaluation of Protection, Comfort, and Dexterity**
Rui Li, Iowa State University, Ames, IA
- 2:20-2:40 Interior Fit of Female Firefighter Gloves Compared to 3D Hand Anthropometry**
Linsey Griffin, University of Minnesota, Saint Paul, MN
- 2:40-3:00 Intrinsically Conductive Polymer Fibers for Smart Wearables**
Hang Liu, Washington State University, Pullman, WA
- 3:00-3:20 Analysis of Sweat Moisture Drying Performance of Fabrics Used in Workers' Protective Clothing**
Sumit Mandal, Oklahoma State University, Stillwater, OK
- 3:20-3:40 Biomechanical, Physiological, and Subjective Perception Assessment of Personal Flotation Devices**
Charles Freeman, Mississippi State University, Starkville, MS
- 3:40-4:00 BREAK**
- 4:00-4:20 Development of a Colorimetric Nanofiber Sensor for Selective Detection of Organophosphate Pesticide**
Chunhui Xiang, Iowa State University, Ames, IA
- 4:20-4:40 Smart Textile Applications from Market Analysis**
ShuHwa Lin, University of Hawaii, Honolulu, HI
- 4:40-5:00 Progresses in Decontaminating and Sensing Textiles for Improved Personal Protections**
Gang Sun, University of California, Davis, CA
- 5:00-5:20 Investigation of the Reliability of a Smoke Generation System: A Preliminary Study**
Yulin Wu, Iowa State University, Ames, IA
- 5:20-5:40 A 2D Image-Based Anthropometric Measurements of Human Hands**
Mengying Zhang, Iowa State University, Ames, IA
- 5:40-6:00 CLOSING REMARKS**