

## J. William Weaver Paper of the Year Award

**Meredith L. McQuerry, Emiel DenHartog, and Roger Barker** were recognized at the AATCC International Conference in Wilmington, NC, USA, with the J. William Weaver Paper of the Year Award. They were recognized for their paper “Garment Ventilation Strategies for Improving Heat Loss in Structural Firefighter Clothing Ensembles,” published in the May/June 2016 *AATCC Journal of Research*. The purpose of this research was to evaluate clothing ventilation designs for their ability to reduce heat stress incurred during firefighting activities.

### About the Authors



**Meredith L. McQuerry** is an Assistant Professor in the Retail, Merchandising, and Product Development Department at Florida State University. She received her PhD from the College of Textiles, North Carolina State University (NCSU) in 2016. She was a PhD candidate and research assistant in the Textile Protection and Comfort Center (TPACC)

at NCSU, and has research experience in fabric durability, wear life, and clothing comfort physiology as applied to protective clothing systems. While at NCSU, McQuerry was a 2015 and 2016 recipient of AATCC Foundation Student Research Support Grant Program, and a first-place winner of the 2013 Herman and Myrtle Goldstein Student Paper Competition. In 2016, she was the recipient of an ASTM student research grant, and ITAA Teaching Award. McQuerry received an MS in Textile Science from the University of Kentucky, and for her BS, double-majored in Merchandising, Apparel, and Textiles, and FCS Education at the University of Kentucky.



**Emiel DenHartog** is an Associate Professor in the Department of Textile Engineering, Chemistry, and Science, and Co-Director of TPACC at NCSU. He received his PhD in Biomedical Physics at Erasmus University, Rotterdam, The Netherlands. He ranked as senior scientist at the Human Factors Research Institute of TNO (The Netherlands

Organisation for Applied Scientific Research), and in the Chemical and Biological Protection Department at TNO Defense, Safety and Security, an independent, not-for-profit contract research organization in The Netherlands. The focus of his work was research and development problem-solving for the organization’s customers, involving personal protective clothing and equipment for The Netherlands and foreign armed

forces, fire fighters, law enforcement, and sports. Currently, DenHartog is an Associate Editor for the *AATCC Journal of Research*. He also received NCSU’s 2014-2015 Outstanding Extension Service Award for his dedication and service to extension and engagement.

**Roger L. Barker** is the Burlington Distinguished Professor in the Department of Textile Engineering, Chemistry and Science, and Director of TPACC at NCSU. He is an internationally recognized researcher in textile protection and comfort technologies and in advanced laboratory systems for measuring clothing comfort and protection performance. He is a past member of the National Academy of Science Committee on Personal Protective Technologies, and was a national finalist for the Christopher Columbus Award for achievement in research related to Homeland Security. In 2015, he received the Alexander Quarles Holladay Medal of Excellence, the highest award given to a faculty member by NCSU. He holds BS and MS degrees in physics from the University of Tennessee, and a PhD in Textile and Polymer Science from Clemson University.



### The Weaver Award

The AATCC Publications Committee presents the J. William Weaver Paper of the Year Award to the author or authors of the best peer reviewed paper published in the *AATCC Journal of Research* each year.

Even before it began publishing its own journal, AATCC had a long-standing tradition of friendly rivalry among authors. From 1925 to 1933, awards were presented for the best AATCC conference papers published by *American Dyestuff Reporter*. From 1940 to 1996, an Intersectional Paper Competition winner was chosen each year. In January 1969, AATCC began publishing *Textile Chemist and Colorist* (later *AATCC Review*) and in February 1979, an annual award was established to honor the best paper printed in that journal. When AATCC began publishing the online *AATCC Journal of Research* in 2014, Weaver Award papers were chosen from the best peer reviewed papers published in the journal.

In 1990, the award was named for J. William Weaver, who was chair of the AATCC editorial board at the time of his death.

The award includes a framed certificate signed by the AATCC president and the Publications Committee chair. It is presented at AATCC’s International Conference during the Awards Luncheon.