

Meredith McQuerry, Ph.D.

Florida State University, Jim Moran School of Entrepreneurship
Retail Entrepreneurship Department
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EDUCATION

- Ph.D. August 2016 North Carolina State University
Major: Textile Technology Management
Dissertation: McQuerry, M. (2016). Clothing modifications for heat strain reduction in structural firefighter protective clothing systems. *North Carolina State University*. (p. 1-363).
- M.S. December 2013 University of Kentucky
Major: Merchandising, Apparel and Textiles (Textile Science)
Thesis: Cinnamon, M. (2013). Post use analysis of firefighter turnout gear: phase III. *University of Kentucky*. (p. 1-202).
- B.S. May 2012 University of Kentucky
Major: Merchandising, Apparel and Textiles
- B.S. May 2012 University of Kentucky
Major: Career and Technical Education (Family and Consumer Sciences)

EXPERIENCE

- Fall 2021-Present Associate Professor, Tenure-Track
Retail Entrepreneurship
Jim Moran College of Entrepreneurship
Florida State University, Tallahassee, FL
- Fall 2018-Fall 2021 Assistant Professor, Tenure-Track
Retail Entrepreneurship
Jim Moran School/College of Entrepreneurship
Florida State University, Tallahassee, FL
- Fall 2016-Fall 2018 Assistant Professor, Tenure-Track
Retail, Merchandising, and Product Development Department
College of Human Sciences
Florida State University, Tallahassee, FL
- Spring 2014-
Summer 2016 Graduate Research Assistant, Full-Time (12 month)
Textile Protection and Comfort Center (TPACC)
North Carolina State University, Raleigh, NC

Fall 2015- Spring 2016	Adjunct Professor Human Environmental Sciences Department Meredith College, Raleigh, NC
Fall 2013	Primary Instructor/Graduate Teaching Assistant Retailing, Tourism and Management Department University of Kentucky, Lexington, KY
Spring 2010- Fall 2013	Research Assistant/Lab Supervisor, Full-Time (12 month), Textile Testing Laboratory University of Kentucky, Lexington, KY

RESEARCH

GRANTS: (Total Funding Received: \$1,579,577)

**undergraduate or *graduate student co-authorship

External Contracts & Grants Funded: (Total Received: \$849,762)

McQuerry, M. & Whalen, J. (2021). Magnetic compliance testing for structural firefighter turnout gear in relation to internal cardiac devices. *Lion Apparel Firefighter Turnout Research Grant Program*. (**\$15,391**).

Maya, I.** & McQuerry, M. (01/01/2021-12/31/2021). Analysis of physiological effects of compression gear on American college and pro-level football athletes. *AATCC Foundation Student Research Support Grant Program*. (**\$500**).

McQuerry, M. (07/01/2020-07/31/2022). Wear assessment of novel mask for COVID-19 and other illness prevention. *Ascend Performance Materials Face Covering Research Grant Program*. (**\$34,814**).

Riedy, R.** & McQuerry, M. (01/01/2020-12/31/2021). Analysis of the total heat loss and thermal comfort of motorsports racing suits. *AATCC Foundation Student Research Support Grant Program*. (**\$600**).

Easter, E. & McQuerry, M. (1/1/2020-6/1/2020). Product development and evaluation of TOUGH COTTON technology. *2019 Cotton Incorporated Cotton in the Curriculum Program*. (**\$20,294**).

McQuerry, M. (PI) & Kwon, C. (Co-PI). (9/18/2019-9/17/2021). Investigation of design, comfort, and mobility issues for female firefighter personal protective clothing. *Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA), FY 2018 Assistance to Firefighters Grant Program*. (**\$403,632**).

McQuerry, M., Schofield, S., & Ormsbee, M. (01/2019-07/2022). Development of a new turnout suit design for reduced heat stress and physiological strain. *Fire-Dex Firefighter Research Grant Program*. RF03023. (**\$145,723**).

McQuerry, M., Whalen, J., & Siegrist, T. (03/2018-06/2018). Magnetic compliance testing for pace makers. *Lion Apparel Firefighter Turnout Research Grant Program*. RF02933. **(\$5,500)**.

McQuerry, M. (PI) & Ormsbee, M. (Co-PI). (02/2018-12/2019). Physiological comfort assessment of a novel lightweight turnout composite. *Fire-Dex Firefighter Research Grant Program*. RF02919. **(\$149,964)**.

McQuerry, M. (PI). (08/2017-08/2018). Evaluation of the performance of station wear while worn with an NFPA 1971 protective ensemble. *National Fire Protection Association Fire Protection Research Foundation*. RF02875. **(\$5,000)**.

McQuerry, M. (PI), Schofield, S. (Co-PI), Ormsbee, M. (Co-PI). (01/2017-06/2020). Development of novel turnout suit pattern for improved mobility and comfort. *Lion Apparel Firefighter Turnout Research Grant Program*. RF02824. **(\$94,603)**.

Hogans, K.* (PI). & McQuerry, M. (Co-PI). (1/2017-1/2018). Assessment of laser perforated athletic uniforms for improved thermal comfort and human performance. *ASTM Student Project Grant Program*. **Faculty Advisor**. **(\$500)**.

McQuerry, M (PI). (1/2016-1/2017). Heat transfer model for validation of a heat loss test method in isothermal conditions. *ASTM Student Project Grant Program*. **(\$500)**.

McQuerry, M (PI). (1/2016-1/2017). Heat transfer model for validation of a heat loss test method in isothermal conditions. *AATCC Foundation Student Research Support*. **(\$800)**.

McQuerry, M (PI). (1/2015-1/2016). Evaluating localized ventilation of firefighter turnout gear: a validation between test methods. *AATCC Foundation Student Research Support*. **(\$500)**.

External Contracts & Grants Pending:

Freeman, C., Black, C., Burch, R., Ball, J., Gurbuz, A., Harish, C., & McQuerry, M. (submitted 2021). Smart Fishing Shirt: Innovation of a Flotation Fishing Shirt that Provides Buoyancy and Tracking During Falls Overboard. *National Science Foundation Partnerships for Innovation: Building Innovation – Technology Translations*. **(\$249,512)**.

External Contracts & Grants Denied:

Catanzaro, J., McQuerry, M., Whalen, J., Batich, C., & Settles, A. (2021). Attenuation of magnetic fields to protect patients with cardiac implantable electronic devices (CIEDs). *UF-FSU CTSA Pilot Project Award*. **(\$24,180)**.

Easter, E. & McQuerry, M. (2019). Product development and evaluation of TOUGH COTTON technology. *2018 Cotton Incorporated Cotton in the Curriculum Program*. **(\$18,678)**.

Cunanan, H.** & McQuerry, M. (2019). Analysis of denim jean colorfastness according to apparel price point category. *AATCC Foundation Student Research Support Grant Program*. **(\$1,000)**.

McQuerry, M. & Whalen, J. (2018). Magnetic closure feasibility in structural firefighter turnout suit designs. *Lion Apparel Firefighter Turnout Research Grant Program*. (**\$11,000**).

McQuerry, M. (PI) & Kwon, C. (Co-PI). (8/1/2018-7/31/2019). Investigation of design, comfort, and mobility issues for female firefighter personal protective clothing. *Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA), FY 2017 Assistance to Firefighters Grant Program*. (**\$231,487**).

McQuerry, M. (PI), Mills, R. (Co-PI), Martinez, F. (Co-PI). (8/1/2018-7/31/2020). Body armor integration for ballistic, slash, and stab protection in structural firefighting and emergency medical service applications. *Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA), FY 2017 Assistance to Firefighters Grant Program*. (**\$1,195,487**).

McQuerry, M. (PI). (10/1/2017-10/31/2019). Body armor integration for ballistic, slash, and stab protection in structural firefighting and emergency medical service applications. *Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA), FY 2016 Assistance to Firefighters Grant Program*. (**\$991,151**).

McQuerry, M. (PI), Jur, J. (Co-PI), Dulebenets, M. (Co-PI). (6/1/2017-5/31/2017). Integrated wearable technology communication system: technical basis for designing a multifaceted advanced sensor platform for wildland firefighters. *NIST Public Safety Innovation Accelerator Program*. (**\$1,025,597**).

McQuerry, M. (PI). (2016) Body armor integration in structural firefighter turnouts for ballistic protection. *Defense Advanced Research Projects Agency (DARPA) Young Faculty Award (YFA)*. (**\$485,000**).

Internal Contracts & Grants Funded: (Total Received: \$729,815)

Ridgway, J. and McQuerry, M. (2021). Body scanning technology: a changing retail environment calls for innovative approaches to product development and in-store experiences. *Student Technology Fees Grant, Florida State University*. (**\$28,350**).

McQuerry, M. (2021) Acquisition of Textile Testing Equipment and Lab Renovations. *Florida State University, Office of the Provost*. (**\$80,000**).

Hallinan, D., McQuerry, M., & Dickens, T. (2021). Acquisition of a versatile thermal conductivity measurement instrument. *Equipment and Infrastructure Enhancement Grant, Florida State University*. (**\$51,939**).

McQuerry, M. (2020). Materials Research Grant. *Undergraduate Research Opportunity Program, Florida State University*. (**\$1,000**).

McQuerry, M. (2019) Acquisition of Sweating Thermal Manikin Instrumentation. *Florida State University, Office of the Provost*. (**\$589,925**).

McQuerry, M. (2019). Faculty Travel Grant. *Florida State University*. (**\$1,000**).

McQuerry, M. (2019). Anthropometric study of firefighters: three dimensional body scanning of female body, hands, and feet. *Small Grants Program, Florida State University, Council on Research and Creativity (CRC)*. (**\$2,818**).

McQuerry, M. & Zilavy, E. (2019). Textile Lab Equipment Acquisition. *Student Technology Fees Grant, Florida State University*. (funded: **\$9,200**; submitted: **\$34,448**).

McQuerry, M. & Love, N.** (2019). Materials Research Grant. *Undergraduate Research Opportunity Program, Florida State University*. (**\$500**).

McQuerry, M. (2018). Faculty Travel Grant. *Florida State University*. (**\$1,000**).

McQuerry, M. (PI). (5/7/18-8/6/18). Summer Research Grant Program. *Jim Moran School of Entrepreneurship, Florida State University*. (**\$10,000**).

McQuerry, M., Kukas, J., Cooper, A. (1/1/2018-12/31/2018). Textile Lab Equipment Enhancement. *Student Technology Fees Grant, Florida State University*. (**\$40,000**).

McQuerry, M. (03/2018). WDC39 Multistate Research Group Meeting. *Funding Agency Travel Grant Program, Florida State University*. (**\$1,000**).

Cao, A.** & McQuerry, M. (05/2018-08/2018). Ability of surgical gowns to meet industry standards concerning impact penetration and hydrostatic pressure at new and after laundering. *2018 ACC Creativity and Innovation Fellowship (IDEA Grant), Center for Undergraduate Research and Academic Engagement (CER), Florida State University*. (**\$4,000**).

McQuerry, M., Riedy, R.**, Beltran, G.**, Glynn, C.**, & Cunanan, H.** (2018). Materials Research Grant. *Undergraduate Research Opportunity Program, Florida State University*. (**\$643**).

McQuerry, M., Hao, A., & Walsh, R. (2018). Acquisition of a tensile testing instrument for textile strength and durability assessment. *Equipment and Infrastructure Enhancement Grant, Florida State University*. (**\$46,479**).

McQuerry, M. (2017). Faculty Travel Grant. *Florida State University*. (**\$750**).

McQuerry, M. (PI). (5/8/17-8/4/17). Assessment of female firefighter user needs for improved fit and ergonomics. *First Year Assistant Professor Grant Program, Florida State University*. (**\$20,000**).

McQuerry, M. (2016). Faculty Travel Grant. *Florida State University*. (**\$1,500**).

Internal Contracts & Grants Denied:

Ridgway, J. and McQuerry, M. (2020). Body scanning technology: a changing retail environment calls for innovative approaches to product development and in-store experiences. *Student Technology Fees Grant, Florida State University*. (\$20,950**). (**was recommended for funding based on the initial proposal reviews, prior to COVID-19, after which, the University

changed the scope and intent of the grant program and it therefore, was not funded in the 2020 round of proposals.)

PUBLICATIONS:

*graduate or **undergraduate student co-authorship

Invited Refereed Journal Articles:

McQuerry, M. & Nixon, V. (submitted). Thermal comfort and performance evaluation of high-end versus popular dupe athleticwear leggings. *Journal of Textile Science and Fashion Technology*, 11 pages.

McQuerry, M. (2020). Wildland firefighting and wearable technology: a review. *Journal of Textile Engineering Fashion Technology*, 1(2), 1-5.

McQuerry, M. (2019). A review of ballistic, slash, and stab protection for integration in first responder personal protective clothing. *Journal of Textile Science and Fashion Technology*, 2(1), 1-5, DOI: 10.33552/JTSFT.2019.02.000527 (Impact: 0.357)

Refereed Journal Articles:

McQuerry, M. & Easter, E. (submitted). Wildland firefighting personal protective clothing cleaning practices in the United States. *Fire Technology*, 18 pages.

Morrissey, M., Casa, D., Brewer, G., Adams, W., Hosokawa, Y., Benjamin, C., Grundstein, A., Hostler, D., McDermott, B., McQuerry, M., Stearns, R., Filep, E., DeGroot, D., Fulcher, J., Flouris, A., Jacklitsch, B., Jardine, J., Lopez, R., McCarthy, R., Pitisladis, Y., Pryor, R., Schlader, Z., Smith, C., Smith, D., Spector, J., Vanos, J., Williams, W.J., Vargas, N., & Yeargin, S. (2021, online). Heat safety in the workplace: modified delphi consensus to establish strategies and resources at the organizational level to protect U.S. workers. *GeoHealth*, 77 pages, DOI: 10.1029/2021GH000443 (Impact: 4.53)

McQuerry, M., Easter, E., & Cao, A. (2021). Disposable versus reusable medical gowns: a performance comparison. *American Journal of Infection Control*, 49(5), 563-570, DOI: 10.1016/j.ajic.2020.10.013 (Impact 2.294)

Riedy, R. & McQuerry, M. (2021). Serviceability assessment of a printed finish on t-shirts. *AATCC Journal of Research*, 8(2), 48-53, DOI: 10.14504/ajr.8.2.6

Riedy, R. & McQuerry, M. (2020). Development of a phase change material (PCM) measurement methodology for fabric surface quantification. *Journal of Textile and Apparel, Technology and Management*, 11(4), 1-11.

McQuerry, M., Morrissey, M.*, Kisiolek, J.*, Gipson, S.*, & Ormsbee, M. (2020). Effect of a lightweight structural firefighter turnout composite on physiological comfort. *Performance of Protective Clothing and Equipment: 11th Volume, Innovative Solutions to Evolving Challenges, ASTM STP1624*, pp.176-203, DOI:10.1520/STP162420190083

- McQuerry, M. (2020). A survey of structural firefighter station wear in the United States. *Fire Technology*, 56(3), 1287-1313, DOI: 10.1007/s10694-019-00930-9 (Impact 2.239)
- McQuerry, M. (2020). Effect of structural turnout suit fit on female versus male firefighter range of motion. *Applied Ergonomics*, 82, DOI: 10.1016/j.apergo.2019.102974 (Impact: 2.610)
- McQuerry, M., Kwon, C, & Johnson, H**. (2019). A critical review of female firefighter protective clothing and equipment workplace challenges. *Research Journal of Textile and Apparel*, 23(2), 94-110, DOI: 10.1108/RJTA-01-2019-0002 (Impact: 0.860)
- McQuerry, M., DenHartog, E., & Barker, R. (2018). Analysis of air gap volume in structural firefighter turnout constructions in relation to heat loss. *Textile Research Journal*, 88(21), 2475-2484, DOI: 10.1177/0040517517723024 (Impact: 1.443)
- McQuerry, M., DenHartog, E., & Barker, R. (2018). Impact of reinforcements on heat stress in structural firefighter turnout suits. *Journal of the Textile Institute*, 109(10), 1367-1373, DOI: 10.1080/00405000.2018.1423881 (Impact: 1.007)
- McQuerry, M. & Hogans, K.* (2018). Assessment of ventilated athletic uniforms for improved thermal comfort. *AATCC Journal of Research*, 5(5), 1-8, DOI: 10.14504/ajr.5.5.1 (Impact: 0.740)
- McQuerry, M., Barker, R., & DenHartog, E. (2018). Functional design of structural firefighter turnout suits for improved thermal comfort: thermal manikin and physiological modeling evaluation. *Clothing and Textiles Research Journal*, 36(3), 165-179, DOI: 10.1177/0887302X18757348 (Impact: 0.850)
- McQuerry, M., Barker, R., & DenHartog, E. (2018). Relationship between novel design modifications and heat stress relief in structural firefighters' protective clothing. *Applied Ergonomics*, 70, 260-268, DOI: 10.1016/j.apergo.2018.03.004 (Impact: 2.610)
- McQuerry, M. (2018). Validation of a clothing heat transfer model in non-isothermal test conditions. *Journal of Testing and Evaluation*, 46(1), 1-7, DOI: 10.1520/JTE20170073 (Impact: 0.669)
- McQuerry, M., DenHartog, E., & Barker, R. (2017). Effect of self-contained breathing apparatus (SCBA) on heat loss in structural firefighter turnout suits. *AATCC Journal of Research*, 4(5), 1-5, DOI: 10.14504/ajr.4.5.1. (Impact: 0.167)
- McQuerry, M., DenHartog, E., & Barker, R. (2017). Evaluating turnout composite layering strategies for reducing thermal burden in structural firefighter protective clothing systems. *Textile Research Journal*. 87(10), 1217-1225, DOI: 10.1177/0040517516651101. (Impact: 1.443)
- McQuerry, M., Barker, R., DenHartog, E., & Hummel, A. (2016). Alternative methodologies for determining the impact of clothing ventilation in structural firefighter turnout suits. *Performance of Protective Clothing and Equipment: 10th Volume, Risk Reduction through Research and Testing*, ASTM STP1593, pp. 313-330, DOI: 10.1520/STP159320160003. (Impact: 0.370)

McQuerry, M., DenHartog, E., & Barker, R. (2016). Garment ventilation strategies for improving heat loss in structural firefighter clothing ensembles. *AATCC Journal of Research*, 3(3), 9-14, DOI: 10.14504/ajr.3.3.2. [AATCC J. W. Weaver Paper of the Year Award] (Impact: 0.167)

McQuerry, M., DenHartog, E., Barker, R., & Ross, K. (2016). A review of garment ventilation strategies for structural firefighter protective clothing. *Textile Research Journal*, 86(7), 727-742, DOI: 10.1177/0040517515595029. (Impact: 1.443)

McQuerry, M., Klausling, S., Cotterill, D., & Easter, E. (2015). A post-use evaluation of turnout gear using NFPA 1971 standard on protective ensembles for structural fire fighting and NFPA 1851 on selection, care and maintenance. *Fire Technology*, 51(5), 1149-1166, DOI: 10.1007/s10694-014-0446-x. (Impact: 1.471)

Juried Exhibitions:

Schofield, S. & McQuerry, M. (contracted; 2019). *Functional Performance* [Juried Exhibition]. Professional Category, Las Vegas, NV: International Textile and Apparel Association. (51% acceptance).

Trade Articles:

McQuerry, M., Barker, R., Hummel, A., Deaton, S. (2015). The cost of a pocket: how additional reinforcements impact THL & TPP. *Fire Engineering*. 168 (12), 78-79.

Invited Papers:

McQuerry, M. (2016). PINTEREST: The fashionista's study tool. *International Textile and Apparel Association (ITAA) Teaching Collection*. <https://itaaonline.org/page/RTCwinners>

McQuerry, M. (2015). Post-use analysis of firefighter turnout gear: phases I, II, & III. *ASTM F23.80 Subcommittee on Flame and Thermal Hazards*. New Orleans, LA. [Received ASTM student paper competition First Place Award]

Published Reports:

McQuerry, M., Riedy, R.** , & Garringer, B.** (2018). Evaluation of the performance of station wear worn under a NFPA 1971 structural firefighter protective ensemble. *National Fire Protection Association (NFPA) Fire Protection Research Foundation (FPRF)*. <https://www.nfpa.org/-/media/Files/News-and-Research/Resources/Research-Foundation/Research-Foundation-reports/For-emergency-responders/RFStationWearPerformance.pdf>

McQuerry, M. (2016). Heat transfer model for validation of a heat loss test method in non-isothermal conditions. *American Society for Testing and Materials (ASTM) International*. <https://www.astm.org/studentmember/grants.html>

Published Abstracts:

McQuerry, M. (3/2017). Heat transfer model for validation of a heat loss test method in non-isothermal conditions. *AATCC Review*, 17(2), p.27.

Invited Conference Presentations:

McQuerry, M. & Easter, E. (4/29/21). U.S. wildland firefighter PPE cleaning survey. *NFPA 1877 Task Group, National Fire Protection Association*. Virtual [due to COVID].

McQuerry, M. (2/28/2020). Heat stress in structural firefighter turnout gear. *2020 National Firefighter Cancer Symposium, University of Miami, Sylvester Comprehensive Cancer Center*. Miami, FL.

McQuerry, M. (10/18/2019). Clothing comfort physiology: the intersection of textiles and human performance. *HEATT Innovation Technology Summit, University of Connecticut, Korey Stringer Institute*. Storrs, CT.

Cao, A.** & McQuerry, M. (10/1/2018). Ability of surgical gowns to meet industry standards concerning impact penetration and hydrostatic pressure. *Florida State University 2018 President's Showcase*. Tallahassee, FL.

McQuerry, M. (4/26/2017). Revolutionary turnout suit designs for the modern firefighter. *Fire Department Instructor's Conference; Innotex*. Indianapolis, IN.

McQuerry, M. (11/9/2016). PINTEREST: The Fashionista's Study Tool. *2016 International Textile and Apparel Association Conference*. Vancouver, Canada. **[Received ITAA Rutherford Teaching Challenge Third Place Award]**

Refereed Papers/Abstracts/Presentations Published in Conference Proceedings:

McQuerry, M., Riedy, R., Dodson, A. (submitted for presentation November 2021). Assessment of a novel antimicrobial zinc ion fiber for COVID-19 prevention in nonwoven face coverings for thermal comfort impacts in healthcare settings. *2021 International Textile and Apparel Association Conference*.

Jo, J., Zhang, Z., Griffin, L., Sokolowski, S., McQuerry, M., & Park, H. (submitted for presentation November 2021). Differences in foot measurement between female and male firefighters. *2021 International Textile and Apparel Association Conference*.

Kwon, C. & McQuerry, M. (May 2021). Investigation of design, comfort, and mobility issues for female firefighter personal protective clothing. *2021 European Conference on Protective Clothing*. Stuttgart, Germany. [presented virtually due to COVID; accepted for presentation in 2020 but cancelled due to COVID]

McQuerry, M. & Kwon, C. (November 2020). Investigation of design, comfort, and mobility issues for female firefighter personal protective clothing. *2020 State of Science: Research on Women in the Fire Service*. [Virtual due to COVID]

McQuerry, M. (March 2020). Using three-dimensional body scanning to investigate the ergonomic fit of personal protective clothing for female firefighters. *2020 Proceedings of AATCC International Conference*. Greenville, SC.

McQuerry, M. & Garringer, B.** (October 2019). Implementing community-based service learning in the textiles classroom: Blue Jeans Go Green™ denim sustainability project. *2019 International Textile and Apparel Association Conference*. Las Vegas, NV.

Riedy, R.** & McQuerry, M. (October 2019). Development of a phase change material (PCM) measurement methodology for fabric surface quantification. *2019 International Textile and Apparel Association Conference*. Las Vegas, NV.

Schofield, S. & McQuerry, M. (October 2019). Negotiating different perspectives: one end goal. *2019 International Textile and Apparel Association Conference*. Las Vegas, NV.

McQuerry, M., Ormsbee, M., Morrissey, M.*, & Kisiolek, J.* (June 2019). Effect of a lightweight structural firefighter turnout composite on physiological comfort. *11th Symposium on Performance of Protective Clothing and Equipment*. Denver, CO.

McQuerry, M., Ormsbee, M., Morrissey, M.*, Kisiolek, J.*, & Dudar, M.* (April 2019). Effect of novel lightweight material innovations on the physiological comfort of structural firefighters. *2019 Proceedings of AATCC International Conference*. Fort Worth, TX.

McQuerry, M. & Metz, J. (March 2019). Station wear selection, use, and design in the U.S. fire service. *6th Biennial Fire Industry Education Resource Organization (FIERO) PPE Symposium*. Raleigh, NC.

McQuerry, M., Brownstein, N., Grzywacz, J., & Chavez, A.** (November 2018). Thermal comfort performance of active cooling t-shirt in agricultural protective clothing. *2018 International Textile and Apparel Association Conference*. Cleveland, OH.

McQuerry, M. & Hogans, K*. (March 2018). Assessment of ventilated athletic uniforms for improved thermal comfort and human performance. *2018 Proceedings of AATCC International Conference*. Greenville, SC.

McQuerry, M., Barker, R., DenHartog, E. (March 2017). Revolutionizing structural firefighter protective clothing systems for improved physiological comfort. *2017 Proceedings of AATCC International Conference*, 501-512. Wilmington, NC.

McQuerry, M. (March 2017). Revolutionary turnout suit designs for the modern firefighter. *5th Biennial Fire Industry Education Resource Organization (FIERO) PPE Symposium*. Raleigh, NC.

McQuerry, M., DenHartog, E., Barker, R. (November 2016) Functional design of structural firefighter clothing systems for improved comfort. *2016 International Textile and Apparel Association Conference*. Vancouver, British Columbia, Canada.

McQuerry, M., DenHartog, E., Barker, R. (July 2016). Clothing modifications for heat strain reduction in structural firefighter protective clothing systems. *9th Textile Bioengineering and Informatics Symposium*. Melbourne, Australia.

McQuerry, M., Barker, R., DenHartog, E., Hummel, A. (January 2016). Testing methodologies to evaluate garment ventilation in structural firefighter turnouts for heat loss improvement. *10th Symposium on Performance of Protective Clothing and Equipment*. San Antonio, TX.

McQuerry, M., Barker, R., DenHartog, E. (November 2015) Evaluation of a modular layering approach for heat loss improvement in structural firefighter turnout garments. *2015 International Textile and Apparel Association Conference*. Santa Fe, New Mexico.

McQuerry, M., Barker, R., DenHartog, E., Ross, K., Deaton, S. (April 2015) Ventilation of firefighter turnout gear: reducing heat stress and improving physiological comfort. *2015 Proceedings of AATCC International Conference*, 546-555. Savannah, GA.

Cinnamon, M., Trenkamp, S., Cotterill, D., Easter, E. (June 2013). Post-use analysis of firefighter turnout gear: phases I, II, & III. *13th International Conference and Exhibition on Fire Science and Engineering*, 1383-1394. Windsor, England.

Cinnamon, M. (April 2013). Post use analysis of firefighter turnout gear: phase III. *2013 Proceedings of AATCC International Conference*, 68-77. Greenville, SC. **[Received Herman & Myrtle Student Paper Competition First Place Award]**

Easter, E., Cinnamon, M., Baker, E. (April 2013). Assessing the impact of wash water temperature, detergent type, and laundering platform on basic clothing attributes. *2013 Proceedings of AATCC International Conference*, 215-223. Greenville, SC.

Refereed Conference Presentations (not published in conference proceedings):

McQuerry, M. (9/29/2017). Product quality: linking user needs, performance, and durability. *2017 Industrial Fabrics Association International Advanced Textiles Conference*. New Orleans, LA.

Hogans, K*. & McQuerry, M. (4/7/2017). Post-use analysis of football uniforms. *Southeastern Graduate Research Consortium*. Athens, GA.

McQuerry, M. (4/14/2014). The revolutionary firefighter suit: advanced garment design. *2014 International Textiles Summit*, Leeds University, Leeds, United Kingdom.

Invited Presentations, Guest Lectures, & Seminars:

McQuerry, M. (2021). Female Firefighter PPE Workshop. *International Association of Fire Fighters, Redmond Health and Safety Symposium*, New York City, New York. (*cancelled due to COVID-19).

McQuerry, M. & Kwon, C. (3/30/2020). Investigation of design, comfort, and mobility of female firefighter protective clothing. *National Firefighter Protection Association (NFPA) 1971 Technical Committee on Protective Ensembles for Structural Firefighting*. (via web conferencing; in-person meeting cancelled due to COVID)

Riedy, R.** & McQuerry, M. (11/13/2019). Wash life analysis and surface quantification of a phase change material (PCM) finish. *AATCC Concept 2 Consumer Interest Group Meeting*. Raleigh, NC. (presented remotely from Tallahassee, FL)

McQuerry, M. (10/7/2019). Textiles in the healthcare industry. *Mayo Clinic Visit, Jim Moran School of Entrepreneurship, Florida State University*. Tallahassee, FL.

McQuerry, M. (9/17/2019). Textiles, testing, and thermoregulation: A background of FSU's textile research program. *Ascend Performance Materials*. Pensacola, FL.

McQuerry, M. (2/26/2019). Laboratory-based textile testing: technology and tour. *Florida State University, Jim Moran School of Entrepreneurship*, ENT 2624 Enough to be Dangerous: Impact Areas of STEM Commercialization. Tallahassee, FL.

McQuerry, M. (11/30/2018). Textiles curriculum update. *Florida State University, Jim Moran School of Entrepreneurship, Brown Bag Series*. Tallahassee, FL.

McQuerry, M. (1/31/2018). Evaluation of the performance of station wear while worn with a NFPA 1971 protective ensemble. *National Fire Protection Association (NFPA) 1975 Standard Meeting; NFPA Research Foundation*. Orlando, FL.

McQuerry, M. (3/2/2016). Clothing modifications for heat strain reduction in protective clothing systems. *North Carolina State University, College of Textiles, Introduction to Fiber Science Course*. Raleigh, NC.

McQuerry, M. (10/5/2015). Functional design for heat loss improvements in protective clothing. *North Carolina State University, College of Textiles, Introduction to Fiber Science Course*. Raleigh, NC.

McQuerry, M. (9/23/2015). Clothing modifications in structural firefighter protective clothing. *North Carolina State University, College of Textiles, Graduate Student Seminar*. Raleigh, NC.

McQuerry, M. (3/10/2015). The literature review. *Meredith College, Lecture for Family Resource Management Course*. Raleigh, NC.

Invited Blog Posts:

McQuerry, M. (12/6/2017). Disruptive innovation in a traditional industry: wearable tech and the future of firefighter personal protective equipment. *Zansors*. <https://www.zansors.com/blog->

posts/2017/12/6/disruptive-innovation-in-a-traditional-industry-wearable-tech-and-the-future-of-firefighter-personal-protective-equipment

McQuerry, M. (8/17/2017). Validity of turnout retirement age. *LIONConnects*.
<http://lionconnects.com/validity-of-turnout-retirement-age/>

Refereed Poster Presentations Published in Conference Proceedings:

McQuerry, M., Riedy, R.**, Garringer, B.**, & Isaac, S.** (10/27/2019). Wash life durability analysis of a printed cooling technology on cotton textiles. *2019 International Textile and Apparel Association Conference*. Las Vegas, NV.

McQuerry, M., Riedy, R.**, & Garringer, B.** (6/6/2019). Investigation of station wear in relation to burn injury in the United States fire service. *11th Symposium on Performance of Protective Clothing and Equipment*. Denver, CO.

McQuerry, M., Cao, A.**, & Easter, E. (4/10/2019). Wash lifespan analysis of surgical gown durability concerning impact penetration and hydrostatic pressure. *2019 Proceedings of AATCC International Conference*. Fort Worth, TX.

Gipson, S.* , McQuerry, M., Morrissey, M.* , Kisiolek, J.* , & Ormsbee, M. (4/4/2019). Firefighter turnout suit weight influences simulated exercise performance. *Masters in Four(4) Competition, Florida State University Graduate School*. Tallahassee, FL.

Gipson, S.* , McQuerry, M., Morrissey, M.* , Kisiolek, J.* , & Ormsbee, M. (2/14/2019). Firefighter turnout suit weight influences simulated exercise performance. *2019 Southeast American College of Sports and Medicine Annual Meeting*. Greenville, SC.

McQuerry, M. (11/8/2018). Investigation of female versus male firefighter anthropometrics and ergonomic mobility. *2018 International Textile and Apparel Association Conference*. Cleveland, OH.

McQuerry, M. (11/8/2018). Wash life analysis of printed cooling technology agricultural work applications. *2018 International Textile and Apparel Association Conference*. Cleveland, OH.

Garringer, B.**, Riedy, R.**, & McQuerry, M. (11/8/2018). Analysis of station wear selection worn underneath a structural firefighter turnout ensemble. *2018 International Textile and Apparel Association Conference*. Cleveland, OH.

Riedy, R.**, Garringer, B.**, & McQuerry, M. (6/10/2018). Performance of station wear worn under a NFPA 1971 protective ensemble. *2018 National Fire Protection Association Conference and Expo*. Las Vegas, NV.

Riedy, R.** , Beltran, G.** , Glynn, C.** , & McQuerry, M. (3/7/2018). Durability analysis of printed cooling technology for agricultural work applications. *2018 International American Association of Textile Colorists and Chemists Conference*. Greenville, SC.

McQuerry, M. (11/10/2017). Investigation of female firefighter fit and ergonomics in structural turnout suits. *2017 International Textile and Apparel Association Conference*. St. Petersburg, FL.

Hogans, K.* , & McQuerry, M. (11/10/2017). Assessment of ventilated athletic uniforms for improved thermal comfort and human performance. *2017 International Textile and Apparel Association Conference*. St. Petersburg, FL.

McQuerry, M. & DenHartog, E. (4/20/2016). Evaluating clothing ventilation of firefighter turnout gear: a validation between test methods. *AATCC 2016 International Conference*. Williamsburg, VA.

Non-Refereed Poster Presentations:

Maya, I.** & McQuerry, M. (4/9/2020). Development of an ergonomic test protocol for firefighter turnout suit designs. *2020 Florida State University Undergraduate Research Symposium*. Tallahassee, FL.

Wong, C.** & McQuerry, M. (4/9/2020). Review of the Development of Thermal Manikins. *2020 Florida State University Undergraduate Research Symposium*. Tallahassee, FL.

Love, N.** & McQuerry, M. (4/2/2019). 3-Dimensional body scanning of structural firefighters. *2019 Florida State University Undergraduate Research Symposium*. Tallahassee, FL.

Guo, Y., McQuerry, M., Chavez, A.** , Brownstein, N., Brumback, B., & Grzywacz, J.G. (10/26/2018). Prevention of heat-related illness among immigrant Latino farmworkers: statistical issues. *Southeastern Coastal Center for Agricultural Health and Safety 2018 State of the Science Meeting*. St. Petersburg, FL.

Riedy, R.** . & McQuerry, M. (4/3/2018). Analysis of moisture properties of printed cooling technology for agricultural work. *2018 Florida State University Undergraduate Research Symposium*. Tallahassee, FL.

Chavez, A.** , McQuerry, M., Brownstein, N., & Grzywacz, J. (4/3/2018). Printed cooling technology effects on the thermal comfort of agricultural workers. *2018 Florida State University Undergraduate Research Symposium*. Tallahassee, FL.

Glynn, C.** , & McQuerry, M. (4/3/2018). Active cooling printed t-shirt durability. *2018 Florida State University Undergraduate Research Symposium*. Tallahassee, FL.

Cunanan, H.** & McQuerry, M. (4/3/2018). The correlation between visual assessment and spectrophotometry in athletic t-shirts. *2018 Florida State University Undergraduate Research Symposium*. Tallahassee, FL.

Beltran, G.**, McQuerry, M. (4/3/2018). Durability of printed cooling technology t-shirt. *2018 Florida State University Undergraduate Research Symposium*. Tallahassee, FL.

McQuerry, M. (9/21/17). Assessment of female firefighter user needs for improved fit and ergonomics. *2017 Florida State University First Year Assistant Professor Workshop*. Tallahassee, FL.

Hogans, K.* & McQuerry, M. (3/8/2017). Post-use analysis of ventilated football uniforms. *2017 College of Human Sciences Research and Creativity Day*. Tallahassee, FL.

McQuerry, M. (3/23/2016). Clothing design modifications for heat loss improvement in structural firefighter protective clothing. *11th Annual NC State University Graduate Student Research Symposium*. (nominated by Associate Dean for Academic Programs to represent College of Textiles doctoral programs)

McQuerry, M., Hernandez, J.**, Atkins, A.**, Francis, A.**, Dean, B.** (10/17/2015). Measurements of ventilation in turnout suits using tracer gas method. *North Carolina State University, College of Textiles, Open House*.

Published Book Reviews:

McQuerry, M. (10/2016). Book review of "Textiles and human thermophysiological comfort in the indoor environment," by Dr. Radostina Angelova. *International Textile and Apparel Association Newsletter*. 39 (5), 1-2.

Press Releases:

Verzoni, A. (2/8/2021). Fitting In. *NFPA Journal*. <https://www.nfpa.org/News-and-Research/Publications-and-media/NFPA-Journal/2021/Spring-2021/POV/Perspectives>

Vince, J. (9/24/2020). Fit for duty: researchers improving PPE for women. *Firehouse*. <https://www.firehouse.com/safety-health/ppe/turnout-gear/news/21155603/fit-for-duty-researchers-improving-ppe-for-female-firefighters>

Hernandez, S. (3/12/20). FSU professor researches how to perfect the female firefighter suit. *WCTV News*. <https://www.wctv.tv/content/news/FSU-professor-researches-how-to-perfect-female-firefighter-suit-568724851.html>

Wellock, B. (1/16/20). Male and female firefighters have different problems with protective suits. *FSU News*. <https://news.fsu.edu/news/business-law-policy/2020/01/16/fsu-research-male-and-female-firefighters-have-different-problems-with-protective-suits/>

Prieur, D. (7/18/19). Women firefighters still wear gear meant for men, an orange county fire rescue study could change that. *WMFE*. <https://www.wmfe.org/women-firefighters-still-wear-gear-meant-for-men-an-orange-county-fire-rescue-study-could-change-that/127364>

Araiza, V. (7/17/19). Female Orange County firefighters participate in study for new gear. WKMG ClickOrlando. <https://www.clickorlando.com/news/female-orange-county-firefighters-fitted-for-new-gear>

AATCC. (4/15/2019). AATCC honors Meredith McQuerry with Future Leaders Award. *Fibre2Fashion*. <https://www.fibre2fashion.com/news/announcement/aatcc-honours-meredith-mcquerry-with-future-leaders-award-248675-newsdetails.htm>

Walker, C. (2/26/2019). Path to professorship. *Wilson College News*. https://textiles.ncsu.edu/news/2019/02/path-to-professorship/#Meredith_McQuerry

Heller, D. (6/7/2018). FSU lab research focuses students' career options and job prospects. *Florida State University News*. <http://news.fsu.edu/news/university-news/2018/06/07/fsu-lab-research-focuses-students-career-options-and-job-prospects/>

Boehm, Z. (3/23/2018). Women's history month: FSU women leading the research charge. *Florida State University News, FSU Communications*. <http://news.fsu.edu/news/science-technology/2018/03/23/womens-history-month-fsu-women-leading-research-charge/>

Hayes, S. (3/9/2018 & 3/13/2018). FSU researcher aims to better protect nation's first responders. *WFSU TV & Fox Sports SUN*. <http://news.fsu.edu/multimedia/fsu-headlines/2018/03/12/fsu-headlines-march-2018/>

Hayes, S. (3/6/2018). FSU researcher aims to better protect nation's first responders. *FSU Radio*. <https://soundcloud.com/floridastateuniversity/fsu-researcher-aims-to-better-protect-nations-first-responders>

Heller, D. (2/19/2018). FSU researcher aims to better protect nation's first responders. *Tallahassee Democrat, FSU Communications*. <http://www.tallahassee.com/story/life/wellness/2018/02/19/fsu-researcher-aims-better-protect-nations-first-responders/350945002/>

Multi-State Research Projects:

Stannard, C., McQuerry, M., McKinney, E., Easter, E., Meyer, S., Martindale, A., DenHartog, E., & Hwang, C. (10/1/2019-9/30/2024). Improving safety and health of wildland firefighters through personal protective clothing. *Western Association of Agricultural Experiment Station Directors, United States Department of Agriculture (USDA)*. (official NIFA project eligible to seek funding).

TEACHING

COURSES TAUGHT:

Florida State University:

Semester	Course Number	Course	Number of Students	Instructor Rating
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SU 2021	CTE 5935	Textiles for Interiors		
SP 2021	CTE 4443	QA of Textiles and Apparel		
	CTE 5444	Quality Assurance Assessment		
FA 2020	CTE 4443	QA of Textiles and Apparel		
	CTE 5445	Advancements in Text Tech		
SU 2020	CTE 5935	Textiles for Interiors		
SP 2020	CTE 4443	QA of Textiles and Apparel	17	4.1
	CTE 5935	Quality Assurance Assessment	6	4.7
FA 2019	CTE 4443	QA of Textiles and Apparel	19	4.6
	CTE 5911	Advancements in Text Tech	7	4.8
SP 2019	CTE 1401	Intro to Textile Science	45	4.5
	CTE 4443	QA of Textiles and Apparel	29	4.6
FA 2018	CTE 1401	Intro to Textile Science	77	4.4
	CTE 4443	QA of Textiles and Apparel	56	4.6
	CTE 4905	Textile Testing & Analysis	1	n/a
SP 2018	CTE 1401	Intro to Textile Science	68	4.4
	CTE 4443	QA of Textiles and Apparel	66	4.5
	CTE 4905	QA of Textiles and Apparel	3	n/a
	CTE 4905	Survey of Firefighter Literature	1	n/a
FA 2017	CTE 1401	Intro to Textile Science	99	4.5
	CTE 4443	QA of Textiles and Apparel	89	4.6
SU 2017	COA 5906	Special Topics: Clothing Comfort	1	n/a
	CTE 4905	Textiles for Interiors	1	n/a
SP 2017	CTE 4443	QA of Textiles and Apparel	77	4.9
	CTE 5912	Supervised Research	1	n/a
FA 2016	CTE 4443	QA of Textiles and Apparel	97	4.5

Meredith College:

SP 2016	FMD 114	Apparel Merchandising	14 students	4.6 rating
FA 2015	FMD 114	Apparel Merchandising	30 students	4.5 rating

University of Kentucky:

FA 2013	MAT 120	Textiles for Consumers	40 students	(n/a)
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STUDENT ADVISING & MENTORSHIP:

Master's Committee Chair:

Avery Wheeler (Co-Chair; 2020-2021)

Master's Committee Member:

Rachel Godown (2016-2018), "Assessing the effectiveness of clothing ventilation designs in men's business wear for improved comfort performance." North Carolina State University

Graduate Student Research:

Brooke Garringer, Graduate Research Assistant/Lab Technician, 2019-Present

Stephanie Gipson, Research Assistant, 2018-2019

Jacob Kisiolek, Research Assistant, 2018

Margaret Morrissey (2018), Research Assistant, 2018
Kristian Hogans, (2016-2017) Global Merchandising and Product Development Master's program, Florida State University; Project: Assessment of Laser Perforated Athletic Uniforms for Improved Thermal Comfort and Human Performance

Undergraduate Student Research:

Alyssa Guia, Undergraduate Research Assistant/Lab Technician, 2017
Heather Johnson, Undergraduate Research Assistant/Lab Technician, 2017-2018
Elizabeth Grant, Undergraduate Research Assistant/Lab Technician, 2017-2018
Stephanie Alvarez, Undergraduate Research Study, 2017
Giovanni Bertram, Undergraduate Research Opportunity Program Scholar, 2017-2018
Alexis Chavez, Undergraduate Research Opportunity Program Scholar, 2017-2018
Hannah Cunanan, Undergraduate Research Opportunity Program Scholar, 2017-2018
Connor Glynn, Undergraduate Research Opportunity Program Scholar, 2017-2018
Reannan Reidy, Undergraduate Research Opportunity Program Scholar, 2017-Present
Brooke Garringer, Undergraduate Research Assistant/Lab Technician, 2017-2019
Alex Cao, Undergraduate Research Assistant/IDEA Grant Recipient, 2017-2019
Sophia Isaac, Undergraduate Research Study, 2018-2019
Nadia Love, Undergraduate Research Opportunity Program Scholar, 2018-Present
Natalia Ramirez, Undergraduate Research Study, 2019-2019
Holly Spayde, Undergraduate Research Study, 2019-Present
Cary Wong, Undergraduate Research Opportunity Program Scholar, 2019-Present
Isabel Maya, Undergraduate Research Opportunity Program Scholar, 2019-Present

SKILLS & CERTIFICATION

Six Sigma Green Belt Certified: course completion through North Carolina State University, College of Textiles. Worked with General Electric appliance park in Louisville, KY to develop, complete, and present a project on the evaluation of measurement techniques for AHAM HLW-1-2010 Wash Performance.

ThermoAnalytics RadTherm Software: conducted thermal modeling to determine predicted physiological responses of humans when wearing specified protective clothing.

Color Measurement Instrumentation Techniques: completed two X-Rite fundamental seminars including color appearance, instrumentation, and quality control. Participated in textile color measurement and application professional short course at North Carolina State University.

3D Body Scanning Software: utilized 3D body scanning as a tool for measuring clothing air gap volume. Experience conducting body measurements for customized patternmaking and clothing construction.

Blackboard, Canvas, & Moodle: experience navigating software and managing course materials.

Lectra Product Life Cycle Management Software: completed two-day training seminar on software fundamentals.

Instron Tensile Testing Machine and Software Training: completed equivalent of four-day training session on Universal Bluehill software functions, test method installation, and tensile testing machine operation.

AWARDS AND HONORS

- 2020 Emerald Publishing, Literati Award, Highly Commended Paper
- 2019 AATCC Future Leaders Award, Concept to Consumers Group, AATCC (\$1,000)
Florida State University Undergraduate Teaching Award Nominee
Florida State University “Thank-a-Professor” Recipient
- 2018 Florida State University Undergraduate Research Mentor Nominee
Invited Attendee, Nobel Prize Inspiration Initiative, 3M VIP Event, Minneapolis, MN
Florida State University Undergraduate Research Mentor Award (\$2,000)
- 2016 AATCC J. W. Weaver Paper of the Year Award, AATCC Journal of Research
Rutherford Teaching Challenge, Third Place Award, ITAA
- 2015 International Textile and Apparel Association, Sara Douglas Fellowship for Professional Promise
Building Future Faculty Scholar, North Carolina State University
- 2014 ASTM International Student Paper Competition First Place Winner
Mentoring and Teaching Practicum Program, North Carolina State University
Graduate Fellowship & Assistantship, North Carolina State University
- 2013 AATCC, Herman and Myrtle Student Paper Competition, First Place Winner (\$1,000)
Graduate Student of Excellence, Merchandising, Apparel, and Textiles Department, School of Human Environmental Sciences, University of Kentucky
- 2012 Graduate Assistantship, University of Kentucky
Undergraduate Student of Distinction, School of Human Environmental Sciences
- 2011 Undergraduate Research Assistantship, University of Kentucky

Family and Consumer Sciences Undergraduate Student of Excellence, School of Human Environmental Sciences

2008-2012 Undergraduate Scholarships: Joe T. Davis Memorial, Carl F. Pollard, HES T.P. Cooper, Academic Excellence, Ginny Ellington KATFACS

Dean's List, University of Kentucky: August 2008-December 2013

LEADERSHIP AND SERVICE

Department Service:

2018-Present Member, Retail Entrepreneurship Curriculum Committee
Fall 2017 Member, Product Development Curriculum Committee
Fall 2017 Member, Technology Curriculum Committee
Fall 2017 Chair, Textile Curriculum Committee
Fall 2017 Member, Scholarship Review Committee
Spring 2017 Graduation Marshal
Spring 2017 Chair, Specialized Faculty Promotion Committee
Spring 2017 Chair, Teaching in the Discipline Development Committee
2016-Present Faculty Advisor, American Association of Textile Chemists and Colorists Student Organization
Fall 2016 Member, Scholarship Review Committee
Fall 2016 Member, Merit Review Committee

School/College Service:

2019-2020 Member, JMS P&T/Merit Committee (voting promotion member only)
2019-2020 Member, JMS Technology Committee
2019 Member, JMS Interview Committee
2017 Judge, CHS Research and Creativity Day

University Service:

2021-Present FSU Council on Research and Creativity, Invited Member/Jim Moran College of Entrepreneurship Representative
2020-2021 FSU Council of Associate Deans of Research, Interdisciplinary Research Subcommittee, Invited Member
2019-Present FSU Council of Associate Deans of Research, Jim Moran College of Entrepreneurship Representative
Spring 2019 FSU 6th Annual Women in Leadership Conference; Work/Life Balance Workshop Coordinator

Professional Service:

2021-Present Invited Medical and Science Board Member, National Heat Safety Coalition (NHSC), Korey Stringer Institute (KSI), University of Connecticut
2021 Invited Member, Effective Operations Work Group, National Fire Service Research Agenda Symposium
2020-Present Chair, W3192 Multistate Wildland Firefighter Research Project, NIFA

2020-Present Invited Member of UCONN's Korey Stringer Institute's Inter-Association Task Force on Heat Safety in the Industrial Space

2019-Present Voting Member, AATCC RA112 Thermal Regulation Test Methods Committee

2019-Present Invited Member of Undergraduate Competition Sub-Committee, AATCC

2019 ITAA Annual Conference Session Presider

2018-Present Invited Member of Young Professionals Committee, AATCC

2018-Present Invited Member of NIOSH Turnout Gear Lifecycle Partnership

2018-Present Invited Member AATCC Strategic Planning Committee

2016-Present ITAA Student Fellowships and Awards Committee

2015-Present ASTM F23 Protective Clothing Committee

2015-Present ASTM D13 Committee on Textiles

2014 ITAA Annual Conference Volunteer

2009-2013 University of Kentucky Official Plaid Advisory Board, Product Development Committee

2009-2012 Cotton Incorporated Denim Drive Coordinator (University of Kentucky)

2009-2012 University of Kentucky, College of Agriculture Ambassador

Service to the Industry:

2020-Present Research Consultant: Wolter Van Dyke Davis, PLLC

2019-Present Industry Consultant: MagCorp

2019-Present Industry Consultant: NBC/Universal Studios

Spring 2019 Testing Services/Research Consult: Peak Gear

2018-2019 Testing Services/Research Consult: Loella Bra Company

2018-2019 Testing Services/Research Consult: Juaire Industries

Fall 2018 Research Consult: Firefighter Cancer Initiative

Fall 2018 Research Consult: OM Signal

Spring 2018 Research Consult: 3M, Safety and Graphics Business Lab

Service to the Community:

Spring 2020 COVID-19 Testing Services, Florida Governor's Office/Department of Emergency Management, Textile Testing Laboratory, Florida State University

Summer 2019 Program Session Leader, SciGirls Summer Camp, National High Magnetic Field Laboratory (MagLab), Florida State University

Summer 2018 Invited Panelist, SciGirls Summer Camp, National High Magnetic Field Laboratory (MagLab), Florida State University

Spring 2018 Coordinator/Lead Exhibitor of Discovery on Parade, Textile Testing Lab Exhibit, Florida State University

Spring 2017 Coordinator/Lead Exhibitor of Discovery on Parade, Department of Retail, Merchandising, and Product Development Exhibit, Florida State University

Invited Reviews:

June 2021 Invited Reviewer for National Institute for Occupational Safety and Health (NIOSH) National Personal Protective Technology Laboratory (NPPTL)

March 2021 Invited Reviewer for Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA), Fire Prevention and Safety (FP&S)

Research and Development (R&D) Assistance to Firefighters Grant (AFG) Program, FY 2020

May 2019 Invited Reviewer for Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA), Fire Prevention and Safety (FP&S) Research and Development (R&D) Assistance to Firefighters Grant (AFG) Program, FY 2018, Emmitsburg, MD, National Emergency Training Center (NETC)

April 2019 Invited Reviewer of ITAA Research Paper Abstracts – Textile & Apparel Science

July 2018 Invited Judge for IFAI Innovation Award

June 2018 Invited Reviewer of University of Maryland Industrial Partnerships Program Grant Proposal (selected based upon research & publications in the field)

April 2018 Invited Reviewer of ITAA Research Paper Abstracts – Textile & Apparel Science

July 2017 Invited Judge for IFAI Innovation Award

May 2017 Invited Reviewer of Iowa State University Limited Submission Grant Proposals

April 2017 Invited Reviewer of ITAA Research Paper Abstracts – Textile & Apparel Science

Reviewer for Refereed Journals:

2020-Present *AATCC Review*

2020-Present *Journal of Textile Apparel and Technology Management*

2020-Present *Fire Technology*

2019-Present *Ergonomics*

2019-Present *Applied Ergonomics*

2019-Present *Journal of Occupational Medicine and Toxicology*

2019-Present *Military Medical Research*

2018-Present *Industrial Health*

2018-Present *International Journal of Wildland Fire*

2018-Present *International Journal of Heat and Mass Transfer*

2016-Present *Clothing and Textiles Research Journal*

2016-Present *AATCC Journal of Research*

2016-Present *American Society of Testing and Materials Selected Technical Papers*

2016-Present *Journal of the Textile Institute*

2016-Present *Journal of Industrial Textiles*

2015-Present *Textile Research Journal*

2014-Present *Journal of Strength and Conditioning Research*

PROFESSIONAL ORGANIZATIONS

2017-Present National Fire Protection Association (NFPA)

2014-Present American Society for Testing and Materials (ASTM)

2014-Present International Textile and Apparel Association (ITAA)

2013-Present American Association of Textile Colorists and Chemists (AATCC)

PROFESSIONAL DEVELOPMENT

- FSU Council on Research and Creativity Grant Workshop, 9/9/2016
- FSU Basics of Grant Writing for NIH Workshop, 9/16/16
- FSU Basics of Grant Writing for NSF Workshop, 10/14/16
- Grant Training and Development Center, NSF Grant Workshop, University of Florida, 12/5/16

Last Updated: 8/20/2021