

Yingying Wu

Curriculum Vita

OFFICE: 320 Justin Hall, 1324 Lovers Lane, Kansas State University, Manhattan, Kansas 66506
EMAIL: yingyingwu9@ksu.edu
PHONE: 785-532-6993 (Main Office)
FAX: 785-532-3796 (Main Office)

EDUCATION

- 2012 – 2016 **Doctor of Philosophy in Apparel Design**
Cornell University, Ithaca, New York 14850, United States.
Major Advisor: Prof. Susan P. Ashdown
Dissertation: A Cross-Cultural Study of Ready-to-Wear Clothing in Relation to Women's Body Image, Appearance Management Strategies, and Experience of 3D Technology
- 2009 – 2011 **Master of Philosophy in Textile and Fashion Technology**
Hong Kong Polytechnic University, Hong Kong Special Administration Region 999077, China.
Major Advisor: Dr. Tracy P.Y. Mok
Thesis: Development of An Intelligent Patternmaking System for Skirt Design
- 2005 – 2009 **Bachelor of Engineering in Fashion Design and Engineering**
Zhejiang Sci-Tech University, Hangzhou, Zhejiang 310018, China.
- 2008 Fall Exchange Student
State University of New York at Oswego, Oswego, New York 13126, United States.

ACADEMIC EXPERIENCE

- 2023 – Present **Associate Professor (Tenured)**
Department of Interior Design and Fashion Studies, College of Health and Human Sciences, Kansas State University, Manhattan, Kansas 66506, United States.
- 2023 – 2026 **Graduate Program Director (Elected)**
Department of Interior Design and Fashion Studies, College of Health and Human Sciences, Kansas State University, Manhattan, Kansas 66506, United States.
- 2016 – 2023 **Assistant Professor**
Department of Interior Design and Fashion Studies, College of Health and Human Sciences, Kansas State University, Manhattan, Kansas 66506, United States.
- 2012 – 2016 **Graduate Teaching Assistant**
Department of Fiber Science & Apparel Design, College of Human Ecology, Cornell University, Ithaca, New York 14850, United States.
- 2009 – 2011 **Graduate Research Assistant**
Hong Kong Polytechnic University, Hong Kong Special Administration Region 999077, China.

INDUSTRY EXPERIENCE

<u>Period</u>	<u>Corporation</u>	<u>Role</u>
2020 – 2021	STEAMDesign & InDesign, WeChat Official Accounts, Beijing, China	Content contributor
2018	High Fashion International Ltd., Hangzhou, Zhejiang, China	Consultant

2009 – 2018	He Hong Machine Co., Ltd., Huzhou, Zhejiang, China	Consultant & Translator
2007	USAGO International Apparel Trading Company, Hang Zhou, Zhejiang, China	Manager Assistant
	Tai He Apparel Company, Jia Xing, Zhejiang, China	Assistant Pattern Developer

RESEARCH, SCHOLARLY AND CREATIVE ACTIVITIES

RESEARCH PROJECTS (CURRENT)

<u>Period</u>	<u>Project Title</u>	<u>Funding Body</u>	<u>Role</u>	<u>Fund</u>
10/22 – 09/27	Capacity Grant: Personal Protective Technologies for Current and Emerging Occupational and Environmental Hazards	<i>USDA - Research Education and Economics - National Institute of Food and Agriculture (NIFA)</i>	Lead PI	\$7,500 - \$10,000 per year
08/23 – 08/27	RII Track-2 FEC: Sustainable Engineering Infrastructure and Solutions for Tribal Energy Sovereignty	<i>National Science Foundation</i>	Co-PI	\$1,150,000 (my share \$350,000)

RESEARCH PROJECTS (COMPLETED)

<u>Period</u>	<u>Project Title</u>	<u>Funding Body</u>	<u>Role</u>	<u>Fund</u>
10/18 – 09/22	Capacity Grant: Personal Protective Technologies for Current and Emerging Occupational and Environmental Hazards	<i>USDA - Research Education and Economics - National Institute of Food and Agriculture (NIFA)</i>	Lead PI	\$23,500
2018 – 2019	Exploring Consumers' Online Decision-making Process towards Sustainable Apparel	<i>Kansas State University, Manhattan, KS 66503, United States</i>	Lead PI	\$580
2017 – 2019	Development of a Method for Shirt Design and Fabrication to Fit around Bra Size	<i>Gneiss Concept LLC, Washougal, WA 98671, United States</i>	Lead PI	\$8,870
2018	Size North America: An Anthropometric Study of Middle West Population	<i>Human Solutions: of North America, Morrisville, NC 27560, United States</i>	Lead PI	\$15,956
2012 – 2017	Development of Close-Fitting Firefighters' Boots to Improve Mobility	<i>Honeywell First Responders Inc., Dayton, OH 45414, United States</i>	RA	\$95,500
2014 – 2016	Body Image and Appearance Management Strategies of Female College Students	<i>Dept. of Fiber Science & Apparel Design, Cornell University, Ithaca, NY 14850, United States</i>	Lead PI	\$1,600

2015	Research Travel Grant for Dissertation Research	<i>Cornell University Graduate School, Ithaca, NY 14850, United States</i>	Lead PI	\$2,000
2009 – 2014	Evolutionary Computer-aided Design for Garment Pattern Making	<i>The Research Grants Council of the Hong Kong Special Administrative Region (HKSAR), China</i>	RA	HK\$837,761 (Approximately US\$107,730)
2008 – 2013	Development of an Integrated Garment Pattern Generation System for Fit Optimization	<i>The Research Grants Council of the Hong Kong Special Administrative Region (HKSAR), China</i>	RA	HK\$546,844 (Approximately US\$70,320)

RESEARCH PROJECT APPLIED (NOT FUNDED)

<u>Proposed Project Period</u>	<u>Project Title</u>	<u>Funding Body</u>	<u>Role</u>	<u>Fund</u>
02/23 – 01/25	Solar4STAR	<i>Department of Energy</i>	Co-PI	\$1,250,013
06/21-06/22	Data-Driven Energy Analysis Platform for Grid-Interactive Efficient Buildings	<i>Global Energy Credit, LLC</i>	Co-PI	\$65,961
03/22 – 02/25	Deep-Learning-Enabled Energy Management and Demand Data Analytics of Grid-Interactive Efficient Buildings	<i>Department of Energy – Advanced Research Project Agency</i>	Co-PI	\$6,000,000
10/21 – 09/24	Deep-Learning-Enabled Energy Management and Demand Data Analytics of Grid-Interactive Efficient Buildings	<i>Department of Energy – Office of Energy Efficiency and Renewable Energy</i>	Co-PI	\$5,541,064
2018 Fall	Utilizing Eye-Tracking (ET) Technology to Transform STEM Curriculum: Integrating Computational Thinking (CT) Skills into Smart Grid and Apparel Design Education	<i>National Science Foundation, Innovation in Graduate Education Program</i>	Co-PI	\$443,252

OTHER FUNDED PROJECTS

<u>Period</u>	<u>Project Title</u>	<u>Funding Body</u>	<u>Role</u>	<u>Fund</u>
2020	Advanced Expert Training Program for Industrial Convergence of Wearable Smart Devices	<i>Korea Institute for Advanced Technology, Korea Display Industry Association program, South Korea.</i>	CO-PI	\$13,163

REFEREED JOURNAL ARTICLES (** indicates graduate student.)

- Sokolowski, S., Griffin, L., **Wu, Y.**, McKinney, E., Morris, K. & Bettencourt, C**. (2022, November). Examination of Current U.S. Female Firefighting Personal Protective Equipment (PPE) Sizing and Fitting Process Challenges: An Opportunity to Improve Safety. *Fashion & Textiles*. (SSCI. Impact Factor 2021: 2.2)
- Liu, X.**, **Wu, Y.**, & Wu, H. (2022, July). Machine Learning Enabled 3D Body Measurement Estimation Using Hybrid Feature Selection and Bayesian Search. *Applied Sciences* (SCIE. Impact Factor 2022: 2.679)
- Liu, X.**, **Wu, Y.**, & Wu, H. (2021, December). PV-EV Integrated Home Energy Management Considering Residential Occupant Behaviors. *Sustainability*, 13(24), 13826. (SCIE/SSCI. Impact Factor 2021: 3.251). Available: <https://doi.org/10.3390/su132413826>
- Liu, X.**, **Wu, Y.**, Zhang, H., & Wu, H. (2021, August). Hourly occupant clothing decisions in residential HVAC energy management. *Journal of Building Engineering*, 40, 102708. (SCI. Impact Factor 2021: 3.379). Available: <https://doi.org/10.1016/j.jobbe.2021.102708>
- Lu, S., Zhu, X.**, **Wu, Y.**, Wan, X., & Gao, F. (2021, July). Outfit Compatibility Prediction with Multi-Layered Feature Fusion Network. *Pattern Recognition Letters*, 147, 150-156. (EI. Impact Factor 2021: 3.255). Available: <https://doi.org/10.1016/j.patrec.2021.04.009>
- McKinney, E., Morris, K., **Wu, Y.**, Griffin L., Sokolowski S., Carufel, R., Park, J. (2021, June). Understanding firewomen's fit problems with their coats and pants and its impact on mobility and safety, *WORK: A Journal of Prevention, Assessment & Rehabilitation*. 69(2), 449-464. (SCI. Impact Factor 2020: 1.132)
- Islam, M.**, & **Wu, Y.**, (2020, September). Function Design of Firefighting Personal Protective Equipment: A Systematic Review. *Journal of Textile Science & Fashion Technology*. 6(5). (Impact Factor 2020: 0.549). Available: <https://doi.org/10.33552/JTSFT.2020.06.000650>.
- Wu, Y.** (2018, November). An Exploratory Study of Fashion Blogs Using Nethnography, *Invention Journal of Research Technology in Engineering & Management*. 2(1), 71-75. (Impact Factor 2015: 1.648)
- Wu, Y.**, Xiao, P., & Ashdown, S. P. (2018, April), A cross-cultural study of college-age females' body satisfaction and clothing choices, *Journal of Textile Engineering and Fashion Technology*. 4(2), 141-146. (Impact Factor 2020: 0.98)
- Park, H., Kim, S., **Wu, Y.**, & Allen, N. E. (2014, September), Beyond Protection, *AATCC Review*, 14(5), 40-45. (SCIE/SSCI. Impact Factor 2020: 0.5)

Under Review

- Wu, Y.**, Liu, X.**, Morris, K., Lu, S., & Wu, H. (Under 2nd Review). An Exploratory Study of Body Measurements Prediction using Machine Learning and 3D Body Scans. *Clothing and Textiles Research Journal*. (SSCI. Five Year Impact Factor: 1.528).
- Graciano, C.* & **Wu, Y.** (Under Review). Protecting Women Who Protect Us: Designing Female-Specific Firefighting Personal Protective Turnout Coat & Pants. *Clothing and Textiles Research Journal*. (SSCI. Five Year Impact Factor: 1.528).
- Liu, X.**, **Wu, Y.**, & Wu, H. (Under Review). Enhancing HVAC Energy Management through Multi-Zone Occupant-Centric Approach: A Multi-Agent Deep Reinforcement Learning Solution. *Energy & Buildings*. (SCIE. Five Year Impact Factor: 6.7).

In-Preparation

- Wu, Y.**, Morris, K., Liu, X.**, & Wu, H. (Under Revision). An Exploratory Study of Body Unbalance using 3D Body Scans. *Journal of Fashion Design, Technology, and Education*. (Impact Factor 2020: 2.4)
- Wu, Y.**, & Islam, M.** (In preparation). An exploratory investigation of consumers' online purchasing behaviors of sustainable apparel products using eye-tracking technology.

EDITOR REVIEWED BOOK CHAPTERS

- Mok, P. Y., Xu, Jie, & **Wu, Y.** (2016), Chapter 9: Fashion design using evolutionary algorithm and fuzzy set theory – a case to realize skirt design customizations. In J. Choi (Ed.) *Information systems for the fashion and apparel industry* (1st ed.). Woodbury.

WHITE PAPERS

McDonald, C., **Wu, Y.**, Ballester, A., & Stahl, M. (2018). *IEEE Industry Connections (IEEE-IC) Landmarks and Measurement Standards Comparison in 3D Body-model Processing* [White paper]. Retrieved March 1, 2018, from the Institute of Electrical and Electronics Engineers Standard Association (IEEE - SA): <https://ieeexplore.ieee.org/servlet/opac?punumber=8362826>

PATENTS

A Novel Design and Sizing System of Fire Fighting Turnout Coats and Pants for U.S. Female Firefighters (In Preparation).

REFERRED CONFERENCE PROCEEDINGS (* indicates undergraduate student. ** indicated graduate student. Awards shown in bold font. Proceedings papers for juried designs included in Juried Exhibitions of Creative Scholarship section.)

- Liu, X.**, **Wu, Y.**, Wu, H. (2023, July). A Multi-Agent Deep Deterministic Policy Gradient Method for Multi-Zone HVAC Control. *2023 IEEE PES General Meeting*.
- Wu, Y.**, Liu, X.**, Morris, K., Lu, S., & Wu, H. (2022, October). An Exploratory Study of Body Measurements Prediction using Machine Learning Methods and 3D Body Scans. *International Textile and Apparel Association Annual Conference*. Online Publication: <https://www.iastatedigitalpress.com/itaa/article/id/15966/>
- Graciano, C.* & **Wu, Y.** (2022, October). Protecting Women Who Protect Us: Designing Female-Specific Firefighting Personal Protective Turnout Coat & Pants. *International Textile and Apparel Association Annual Conference*. (2022 ITAA **Paper of Distinction Award** in the Undergraduate Research Track). Online Publication: <https://www.iastatedigitalpress.com/itaa/article/id/15967/>
- Bynum, K.*, Blinky, T.*, Flinger C.* & **Wu, Y.** (2022, November). What Do Young Adults with Anxiety Want from Clothing? An Exploratory Study on Technology Inspired Clothing Design for Young Adults with Anxiety. *Proceedings of the International Textile and Apparel Association Annual Conference*. Online Publication: <https://www.iastatedigitalpress.com/itaa/article/id/15969/>
- Liu, X.**, **Wu, Y.**, Zhang, H., Edmonds, L., Wu, H. (2022, July). Home energy management with clothing integrated thermal comfort and EV SOC concern, 2022 IEEE PES General Meeting.
- Metzler, J.*, Hill, M.*, Nigg, A.* & **Wu, Y.** (2021, November). What do people with type 1 diabetes want? An exploration of diabetic-friendly athleisure design. *Proceedings of the International Textile and Apparel Association Annual Conference*.
- Oldham, A.*, Tompkins, K.*, Garrett, C.* & **Wu, Y.** (2021, November). Bloom: a Sustainable Athleisure Collection for Plus Size Women Older Than Thirty-Five. *Proceedings of the International Textile and Apparel Association Annual Conference*.
- Wu, Y.**, & Islam, M.** (2021, November). An exploratory investigation of consumers' online purchasing behaviors of sustainable apparel products using eye-tracking technology. *Proceedings of the International Textile and Apparel Association Annual Conference*.
Online Publication: <https://www.iastatedigitalpress.com/itaa/article/id/13473/>
- Wang, Y. Y.*, Fowler, C.* **Wu, Y.**, & McDonald, C. (2018, November). Basic Bodice Blocks Development for Fitting Large-Breasted Women. *Proceedings of the International Textile and Apparel Association*. Online Publication: <https://www.iastatedigitalpress.com/itaa/article/id/1417/>
- Sokolowski, S., Griffin, L., Carufel, R., Kim, N., Park, H., Shi, M., Morris, K., Aflatoony, L., McKinney, E., Leathers, K., **Wu, Y.**, Park, J., Conroy, B., Carvalho, M. (2018, November). A User-Centered Approach for New PPE Development: iWomen Case Study. *Proceedings of the International Textile and Apparel Association*, Online Publication: <https://www.iastatedigitalpress.com/itaa/article/id/1409/>
- Wu, Y.**, & Ashdown, S. P. (2017, November). A cross-cultural study of consumer perceptions of clothing fit: expanding fit education to consumers. *Proceedings of the International Textile and Apparel Association*, Online Publication: <https://www.iastatedigitalpress.com/itaa/article/id/1577/>
- Wu, Y.**, & Ashdown, S. P. (2014, November). A pilot study investigating 35-55 year-old Chinese female's body image and adoption of clothing as a body and appearance management strategy. *Proceedings of the International Textile and Apparel Association*, Online Publication: <https://cdm16001.contentdm.oclc.org/digital/collection/p16001coll5/id/18014>

- Wu, Y.**, Jacqueline, L. P., & Ashdown, S. P. (2013, November). The influence of scan image for 18-22 age women. *Proceedings of the International Textile and Apparel Association*, Online Publication: <https://www.iastatedigitalpress.com/itaa/article/id/2169/>
- Morris, K., Moukperian, M., Campbell, C., Dorn, J., Trejo, H., **Wu, Y.**, Goodnow, L., Schultz, S., Wu, J., & Ashdown, S. P. (2013, November). Exploring a Process: Using Technology to Define Firefighter Glove Fit Preference. *Proceedings of the International Textile and Apparel Association*, Online Publication: <https://www.iastatedigitalpress.com/itaa/article/id/1957/>
- Wu, Y.**, Mok, P. Y., Kwok, Y. L., Fan, J. T., & Xin, J. H. (2011). An Investigation on the Validity of 3D Clothing Simulation for Garment Fit Evaluation. *Proceedings of International Conference on the Innovative Methods in Product*. Online Publication: https://www.improve2011.it/Full_Paper/Proceedings_of_IMProVe_2011_Full_Paper_Volume.pdf.
- Wu, Y.**, Mok, P. Y., Kwok, Y. L., Fan, J. T., & Xin, J. H. (2011). Intelligent pattern design system for skirt pattern making. *Proceedings of the 4th Textile Bioengineering and Informatics Society International Symposium on Advanced Textiles and Fashion Industry*, 1002-1009. **Outstanding Research Paper.**

CREATIVE SCHOLARSHIP (* indicates juried designs.)

- Wu, Y.** (2017, July). *SILKISM Yoga Collection: Development and Innovative Use of Natural Materials for Active Wear*. Exhibited at the *First International Annual Carnival of Nature, Education, and Design*, Hangzhou, Zhejiang, China. **Featured Design.**
- Wu, Y.** (2015, May). *Body Illusions**. Design submitted to the *Alvanon Half-Scale Challenge*, Alvanon, Inc., Online Competition. **Runner-up.**

CONFERENCE PRESENTATION (* indicates undergraduate student. ** indicates graduate student. + indicates the presenter.)

- Metzler, J.*, Hill, M.*, Nigg, A.*, & **Wu, Y.**⁺ (2022, October 26-29). Cadence II: Athleisure Designed for People with Diabetes. *International Textile and Apparel Association Annual Conference*. Denver, CO.
- Metzler, J.*⁺, Hill, M.*, Nigg, A.*, & **Wu, Y.** (2021, November 3-6). What do people with type 1 diabetes want? An exploration of diabetic-friendly athleisure design. *International Textile and Apparel Association Annual Conference*. Virtual Conference.
- Oldham, A.*, Tompkins, K.*, Garrett, C.*, & **Wu, Y.**⁺ (2021, November 3-6). Bloom: a Sustainable Athleisure Collection for Plus Size Women Older Than Thirty-Five. *International Textile and Apparel Association Annual Conference*. Virtual Conference.
- Wu, Y.**⁺, & Islam, M.* (2021, November 3-6). An exploratory investigation of consumers' online purchasing behaviors of sustainable apparel products using eye-tracking technology. *International Textile and Apparel Association Annual Conference*. Virtual Conference.
- Metzler, J.*⁺, Hill, M.*, Nigg, A.*, & **Wu, Y.** (2021, November 3-6). Cadence I: Athleisure Designed for People with Diabetes. *International Textile and Apparel Association Annual Conference*. Virtual Conference.
- Metzler, J.*⁺, & **Wu, Y.** (2021, November 3-6). *The Weight of the World*. *International Textile and Apparel Association Annual Conference*. Virtual Conference.
- Redmond, A.*, Lorenz, M., Metzger, A., & **Wu, Y.**⁺ (2021, November 3-6). Shero: Reform, Recast, and Reshape. *International Textile and Apparel Association Annual Conference*. Virtual Conference.
- Wu, Y.**⁺, & Ross, M.* (2021, July 6-9). An innovative design solution to female firefighters' protective helmets. *The 14th Textile Bioengineering and Informatics Society International Symposium on Advanced Materials, Smart Wearable, and Industry 4.0*. Virtual Conference. **Outstanding ePoster Presentation Award.**
- Dugger, R.*, Grogan, K.*, Hall, D.*, & **Wu, Y.**⁺ (2020, November 18-20). *Nebulous*. Conference of the International Textile and Apparel Association, Virtual Conference.
- Wang, Y. Y.*, Fowler, C.*, **Wu, Y.**⁺, & McDonald, C. (2018, November 6-9). *Basic Bodice Blocks Development for Fitting Large-Breasted Women*. Conference of the International Textile and Apparel Association, Cleveland, Ohio, United States.
- Sokolowski, S.*⁺, Griffin, L., Carufel, R., Kim, N., Park, H., Shi, M., Morris, K., Aflatoony, L., McKinney, E., Leathers, K., **Wu, Y.**, Park, J., Conroy, B., Carvalho, M. (2018, November 6-9). A User-Centered Approach for New PPE Development: iWomen Case Study. Conference of the International Textile and Apparel Association, Cleveland, Ohio, United States.

- Wu, Y.** ⁺, & Ashdown, S. P. (2017, November 13-18). *A cross-cultural study of consumer perceptions of clothing fit: expanding fit education to consumers*. Conference of the International Textile and Apparel Association, St. Petersburg, Florida, United States.
- Wallace, B.*, Sanders, E.*, Domingo, M. Z.*, Yang, Y.*, & **Wu, Y.** ⁺. (2017, November 13-18). *Kaleidoscope: Construct an Illusion*. Conference of the International Textile and Apparel Association, St. Petersburg, Florida, United States.
- Wu, Y.** ⁺ (2017, July 5-6). *Comparing Real Garment Fitting and 3D Virtual Fitting*. The Eleventh International Innovation Forum of Textiles & Clothing. Shanghai, China.
- Wu, Y.** ⁺, & Ashdown, S. P. (2014, November 12-16). *A pilot study investigating 35-55 year-old Chinese female's body image and adoption of clothing as a body and appearance management strategy*. Conference of International Textile and Apparel Association, Charlotte, North Carolina, United States.
- Wu, Y.** ⁺, Jacqueline, L. P., & Ashdown, S. P. (2013, October 15-17). *The influence of scan image for 18-22 age women*. Conference of the International Textile and Apparel Association, New Orleans, Louisiana, United States.
- Morris, K. ⁺, Moukperian, M., Campbell, C., Dorn, J., Trejo, H., **Wu, Y.**, Goodnow, L., Schultz, S., Wu, J., & Ashdown, S. P. (2013, October 15-17). *Exploring a Process: Using Technology to Define Firefighter Glove Fit Preference*. Conference of the International Textile and Apparel Association, New Orleans, Louisiana, United States.
- Wu, Y.** ⁺, Mok, P. Y., Kwok, Y. L., Fan, J. T., & Xin, J. H. (2011, May 27-29). *Intelligent pattern design system for skirt pattern making*. The 4th Textile Bioengineering and Informatics Society International Symposium on Advanced Textiles and Fashion Industry, Beijing, China.

INVITED PRESENTATIONS

- Wu, Y.** (2020, January), *Smart Clothing*. Presented to Korean Institute for Advanced Technology Winter Camp, Manhattan, KS 66504, United States.
- Wu, Y.** (2018, May), *Fashion Design Education*. Presented to Verde Clovers 4H Club, Manhattan, KS 66504, United States.
- Wu, Y.** (2017, July), *Experience of Higher Education in the United States*. Presented to International Department of Huzhou High School, Huzhou, Zhejiang 313000. China.
- Wu, Y.** (2017, June), *Three-Dimensional Apparel Design in Higher Education*. Presented to Graduate Students Forum, College of Education, Zhejiang University, Hangzhou, Zhejiang 310018, China.

MEDIA RELEASE

Fashion studies researcher designs firefighting gear for women. *A Critical Stitch*. Research highlighted in the Kansas State University SEEK Research Magazin. Online preview is available here (accessed on 04/11/2023): <https://www.k-state.edu/seek/spring-2023/fashion-studies-student-designs-female-firefighting-gear/>

TEACHING

COURSES TAUGHT

Assistant Professor. Department of Interior Design and Fashion Studies, Kansas State University, Manhattan, KS, United States.

Fall 2016 – Present

- FASH410 Fashion Production II (previously Apparel Production II). Offer once a year.
- FASH610 Computer-Aided-Design for Fashion (previously Computer-Aided-Design for Apparel). Offer once a year.
- FASH655 Flat Pattern (previously Apparel Pattern Development I). Offer once a year.
- FASH670 Pre-Production Technologies (previously Apparel Pre-Production Process). Offer once a year.
- Undergraduate Research Experience. Undergraduate level independent study course. Offered in 2017, 2018, and 2021. Topics vary among students.

- Problems in Fashion Studies. A graduate-level independent study course. Offered in Spring 2022 to Zubieda Alali, a Ph.D. student in mechanical and nuclear engineering. Topic: Clothing thermal comfort research using 3D simulation technologies. (2 credits).

Graduate Teaching Assistant. Department of Fiber Science and Apparel Design, Cornell University, Ithaca, NY, United States.

Spring 2012 – Spring 2016

- Introduction to Computer-Aided Design.
- Introduction to Fashion Design.
- Draping.
- Patternmaking for Fashion Design.
- Product Development.
- Active Sportswear Design.
- Style, Fashion, and the Apparel Industry.
- Special Project: The Barbara L. Kuhlman scholar's fiber arts & wearable arts exhibition.

GIFTS FOR SUPPORTING TEACHING AND LEARNING

<u>Period</u>	<u>Title</u>	<u>Funding Body</u>	<u>Fund</u>
2020	Gifts for teaching Optitex	<i>Academy Sports + Outdoors</i>	\$5,000.
2018	Gifts for teaching Optitex	<i>Academy Sports + Outdoors</i>	\$5,000.
2017	Gifts for teaching Optitex	<i>Academy Sports + Outdoors</i>	\$5,000.

MENTORING/ADVISING

GRADUATE APPOINTMENTS

Major Professor: Resident Student

2017 – 2019 Md. Mayedul Islam (M.S.). *Exploring consumers' online decision-making process toward sustainable apparel using Eye-tracking technology*

Committee Member: Resident Student

2021 – Present Xuebo Liu (Ph.D.). *Applications of machine learning methods in Engineering* (tentative title)

2017 – 2020 Sarif Patway (Ph.D.). *An investigation of the substitution rate and environmental impact associated with secondhand clothing consumption in the United States*

2016 – 2019 Sahar Hassan Ejeimi (Ph.D.). *Zero waste apparel design pattern grading: impacts on marker efficiency and appearance accuracy of jigsaw graded patterns*

UNDERGRADUATE RESEARCH MENTORING (Undergraduate Research, Honors Projects, Developing Scholar.)

2021 – Present Celeste Graciano. *Research and development of firefighting turnout coats and pants for firewomen.* College of Health and Human Science Undergraduate Research and Creative Activity.

2020 – 2021 Micheala Ross. *Research and development of firefighting headwear for firewomen.* Kansas State University Developing Scholars Program.

2017 – 2018 Yiya Wang and Chelsie Fowler. *Development of shirt design and fabrication to fit around bra size for large breast size women.* College of Human Ecology Undergraduate Research and Creative Activity.

2017 Emily Andrews. *Research and development of naturally dyed healing garments.* College of Human Ecology Undergraduate Research and Creative Activity and Honors Project.

MENTORING AND TEACHING SUCCESS

EXTERNAL REVIEW OF STUDENT WORK (work completed in courses instructed by Wu.)

2022 - 2023 Agel Yor, Celeste Graciao, and Darbi Rice. *Limbless Living by Adaptivē: Adaptive Clothing for Individuals Affected by Limb Loss*. Completed in the course: Pre-production technologies.

- **Undergraduate Research Award** from the Office of Undergraduate Research & Creative Inquiry, Kansas State University, Manhattan, KS, United States. \$500.
- **Best Display Award.** Poster presentation at the College of Health and Human Sciences Research, Scholarly and Creative Activities, and Design (RSCAD) Forum, Kansas State University Undergraduate Research, March 07 – 08, 2023.

Rebecca Hennesy, Elizabeth Esch, and Alexia King. *ERA Athletic Recovery: Postpartum Clothing for Promoting health, wellness, and recovery*. Completed in the course: Pre-production technologies.

- **Undergraduate Research Award** from the Office of Undergraduate Research & Creative Inquiry, Kansas State University, Manhattan, KS, United States. \$500.
- Poster presentation at the College of Health and Human Sciences Research, Scholarly and Creative Activities, and Design (RSCAD) Forum, Kansas State University Undergraduate Research, March 07 – 08, 2023.

2021 – 2022 Nadeeshani Ratnayaka. *Heal Within: Naturally Dyed Yoga Wear with SeaCell Fabrics*. Completed in the course: Pre-production Technologies.

- The 2022 **Arts, Humanities, and Social Sciences Research Grant**. Graduate School, Kansas State University, Manhattan, KS, United States. \$250.

Kaylee Bynum, Tamara Brinkley, and Claudia Filinger. *Human Understanding of Garments (HUGS): An Exploratory Study on Technology Inspired Clothing Design for Young Adults with Anxiety*. Completed in the course: Pre-production Technologies.

- **Undergraduate Research Award** from the Office of Undergraduate Research & Creative Inquiry, Kansas State University, Manhattan, KS, United States. \$500.
- **Kirmser Undergraduate Research Award. Grand Prize.** Group category. Hale Library. Kansas State University, Manhattan, KS, United States. \$3000 (\$1,000 each).
- Poster Presentation in the Kansas State University Undergraduate Research Showcase in April 20-22, 2022.
- Poster presentation (research poster) at the 2022 International Textile and Apparel Association Annual Conference. October 26-29, 2022. Denver, Colorado, United States.

Celeste Graciano. *Protecting Women who Protect Us: Designing & Creating Female Firefighting Personal Protective Equipment*. Completed in course: Undergraduate Research Experience.

- Media Release. Featured Undergraduate Scholar Story in the Seek: Research Magazine for Kansas State University. Upcoming Spring 2023 Issue.
- **Paper of Distinction Award.** Undergraduate Research Track. ITAA 2022 annual Meeting, Denver, CO. October, 26-29, 2022.
- Poster presentation at the 2022 International Textile and Apparel Association Annual Conference. October 26-29, 2022. Denver, Colorado, United States.
- **Undergraduate Research Award** from the Office of Undergraduate Research & Creative Inquiry, Kansas State University, Manhattan, KS, United States. \$500.
- Poster presentation at Kansas State University Undergraduate Research Showcase in April 20-22, 2022.
- **Best Creative Display Poster Award.** Poster presentation at the College of Health and Human Sciences Research, Scholarly and Creative Activities, and Design (RSCAD) Forum, Kansas State University Undergraduate Research, April 13-14, 2022.

2020 – 2021

Jaxson Metzler, Allison Nigg, and Martha Hill. *Cadence: A diabetic Friendly Athleisure Collection*. Completed in the course: Pre-production technologies.

- **Undergraduate Research Award** from the Office of Undergraduate Research & Creative Inquiry, Kansas State University, Manhattan, KS, United States. \$750.
- Poster presentation and design showcased in the Kansas State University Undergraduate Research Showcase. April 20-22, 2021. Virtual Conference.
- Poster presentation (research poster) in the International Textile and Apparel Association Annual Conference. November 3-6, 2021. Virtual Conference.
- A design (male look) exhibited in the International Textile and Apparel Association Annual Conference. November 3-6, 2021. Virtual Conference. Acceptance Rate: 43% accepted.
- A design (female look) will be exhibited in the International Textile and Apparel Association Annual Conference. October 26-28, 2022. Denver, CO. Acceptance Rate: 37% accepted.

Ashley Oldham, Kristen Tompkins, Caitlin Garrett, *Bloom: Athleisure with an Emphasis on Sustainability*. Completed in the course: Pre-production technologies.

- **Undergraduate Research Award** from the Office of Undergraduate Research & Creative Inquiry, Kansas State University, Manhattan, KS, United States. \$750.
- Poster Presentation and Design Showcased in the Kansas State University Undergraduate Research Showcase. April 20-22, 2021. Virtual Conference.
- Poster presentation (research poster) in the International Textile and Apparel Association Annual Conference. November 3-6, 2021. Virtual Conference.

Jaxson Metzler. *The Weight of the World*. Completed in course: Apparel Patternmaking I.

- A design exhibited in the International Textile and Apparel Association Annual Conference. November 3-6, 2021. Virtual Conference. Acceptance Rate: 43% accepted.

Andrada Redmond, Miranda Lorenz, Andie Metzger. *Shero: Reform, Recast, and Reshape*. Completed in course: Apparel Pre-production and Process.

- A design exhibited in the International Textile and Apparel Association Annual Conference. November 3-6, 2021. Virtual Conference. Acceptance Rate: 43% accepted.

Michaela Ross. *An exploratory study of firefighting helmets design and fit for female firefighters*. Completed in course: Undergraduate Research Experience.

- Poster Presentation in the Kansas State University Undergraduate Research Showcase. April 20-22, 2021. Virtual Conference.
- Poster Presentation in the 14th Textile Bioengineering and Informatics Society International Symposium on Advanced Materials, Smart Wearable, and Industry 4.0. **Outstanding ePoster Presentation Award.**

2020

Rachel Dugger, Kelly Grogan, & Dani Hall. *Nebulous*. Completed in course: Apparel Pre-production and Process.

- **Optitex Technology Award.** International Textile and Apparel Association. \$500.
- A design exhibited in the International Textile and Apparel Association Annual Conference. November 18-20, 2020. Virtual Conference. Acceptance Rate: 50% . Online Publication: <https://www.iastatedigitalpress.com/itaa/article/id/12471/>

2018

Yiya Wang & Charlsie Fowler. *Basic Bodice Blocks Development for Fitting Large-Breasted Women*. Completed in course: Undergraduate Research Experience.

- Poster Presentation and Design Showcased in College of Human Ecology Undergraduate Research and Creative Inquiry Competition. Kansas State University, Manhattan, KS, United States. April 18, 2018.
- Poster presentation (research poster) in the International Textile and Apparel Association Annual Conference. Cleveland, Ohio, United States. November 6-9, 2018.

- 2017 Brook Wallace, Emily Sanders, Maria Zarina Domingo, and Yelei Yang. *Kaleidoscope: Construct an Illusion*. Completed in course: Apparel Pre-production and Process.
- **Optitex Student Award of Design and Business Strategy**. International Textile and Apparel Association. \$500.
 - A design exhibited in the 2017 Conference of International Textile and Apparel Association. November 14-18, 2017. St. Petersburg, FL. Acceptance Rate: 37%.

INTERNAL REVIEW OF STUDENT WORK (Department of Interior Design and Fashion Studies Student Symposium Showcase of Excellence, Kansas State University, Manhattan, KS, United States. Work completed in courses instructed by Wu. This event was canceled in 2020 due to Covid-19. Awarding criteria and process changed in 2021. Awards, except the Janet Rees awards, are no longer courses/projects specific, therefore only Janet Rees awards are listed below since 2021.)

- 2023 Lola Stice. **First Place** – Jacket Design Inspired by the Trans World Airlines (TWA) Flight Attendent Uniforms (Janet Rees Collection).
 Ella Duncan. **Second Place** – Jacket Design Inspired by TWA Flight Attendent Uniforms (Janet Rees Collection).
 Ava Goss. **Third Place** – Jacket Design Inspired by TWA Flight Attendent Uniforms (Janet Rees Collection).
- 2022 Elizabeth Esch – Re-visiting the Skies. **First Place** – Jacket Design Inspired by TWA Flight Attendent Uniforms (Janet Rees Collection).
 Dania Orellana – Academia Dreams Vol. 1. **Second Place** – Jacket Design Inspired by TWA Flight Attendent Uniforms (Janet Rees Collection).
 Josie Farris – TWA Inspired Jacket. **Third Place** – Jacket Design Inspired by TWA Flight Attendent Uniforms (Janet Rees Collection).
- 2021 Alexia King – Her Dream. **First Place** – Evening Gown Design Inspired by Janet Rees Collection.
 Celeste Graciano – Sunsi. **Second Place** – Evening Gown Design Inspired by Janet Rees Collection.
 Darbi Rice – Janet in Fuchsia. **Third Place** – Evening Gown Design Inspired by Janet Rees Collection.
- 2019 Armani Hasam and Xiwen Wei – XSCAPE. **Honorable Mention** – Runway Third Year/Graduate Level.
- 2018 Emily Andrews, Allyson Woodard, and Annabelle Frese – SPORTZI. **First Place** – Runway Third Year/Graduate Level.
 Ashley Oldham – Entranced. **First Place** – Runway First/Second Year K-State.
 Jaxson Metzler – Caped Jumpsuit. **Third Place** – Runway First/Second Year K-State.
 Rachel Dugger – Three-Piece Formal Suit. **First Place** – Evening Gown Design Inspired by Janet Rees Collection.
 Andrada Redmond – Janet Rees Inspired Garment. **Second Place** – Evening Gown Design Inspired by Janet Rees Collection.
 Kelly Brackett – Lace Inspirations. **Third Place** – Evening Gown Design Inspired by Janet Rees Collection.
- 2017 Brook Wallace, Emily Sanders, Maria Zarina Domingo, and Yelei Yang. *Kaleidoscope*. **Best of Show** – Runway Show.
 Amber Faloon. Bianca. **First Place** – Evening Gown Design Inspired by Janet Rees Collection.
 Mackenzie Larkin. The Audrey. **Second Place** – Evening Gown Design Inspired by Janet Rees Collection.
 Aaron Simon. Bouquet Pour Femme. **Third Place** – Evening Gown Design Inspired by Janet Rees Collection.
 Aaron Simon, Maggie Stuart, McKenzie Tignor, Haoqing Liu. Night Werq. **Third Place** – Mounted Exhibit Upper Division.

SERVICE AND ENGAGEMENT

PROFESSIONAL SERVICE

2023 – 2027	Member, Editorial Board. <i>Clothing and Textiles and Research Journal (CTRJ)</i> .
2018 – Present	Kansas State University Lead PI. <i>NC170 Multistate Research Group: Personal Protective Technologies for Current and Emerging Occupational and Environmental Hazards</i>
2022 – 2023	Past-Chair, <i>NC170 Multistate Research Group: Personal Protective Technologies for Current and Emerging Occupational and Environmental Hazards</i>
2021 – 2022	Chair, <i>NC170 Multistate Research Group: Personal Protective Technologies for Current and Emerging Occupational and Environmental Hazards</i>
2020 – 2021	Chair-Elect, <i>NC170 Multistate Research Group: Personal Protective Technologies for Current and Emerging Occupational and Environmental Hazards</i>
2021 – Present	Committee Member, Design Education and Scholarship Committee. <i>International Textile and Apparel Association</i> .
2017 – Present	Committee Member, Curriculum Development and Review Committee. <i>International Textile and Apparel Association</i> .
2018 – Present	Reviewer, <i>Textile Research Journal (6)</i> ; <i>Clothing and Textiles Research Journal (3)</i> ; <i>Fashion & Textiles (7)</i> ; <i>Family and Consumer Science Research Journal (1)</i> ; <i>Journal of Textile Science & Fashion Technology (6)</i>
2019 – 2021	Reviewer of conference abstracts and full papers, <i>International Textile and Apparel Association Annual Conference</i> . Textile/Apparel Science Track. (5 abstracts and 1 full paper in 2019; 5 abstracts and 1 full paper in 2020; 7 abstracts in 2021; 8 abstracts in 2021;)
2021	Graduate Design Jury. Design Exhibition. <i>International Textile and Apparel Association Annual Conference</i> . (9 designs)
2021	Moderator of a Consumer Behavior poster presentation session. <i>International Textile and Apparel Association Annual Conference</i> .
2016, 2017, 2021	Design Judge, <i>Make It with Wool</i> , Kansas State University, Manhattan, KS.
2017, 2019, 2020	Undergraduate Design Jury. Design Exhibition. <i>International Textile and Apparel Association Annual Conference</i> . (10 designs in 2020)
2020	Reviewer of conference full papers, <i>Textile Bioengineering and Informatics Society Conference</i>
2016 – 2019	Founding Member & Team Leader. <i>International Electrical and Electronics Engineers Standard Association – Industry Connection</i>

UNIVERSITY SERVICE

2017 – 2020	Committee Member, <i>University Library Committee</i> , Kansas State University
-------------	---

COLLEGE SERVICE

2021	Representor of the College of Health and Human Sciences at the 2021 Kansas 4-H Fashion Revue event, Kansas State Fair. Reviewed Kansas State Fair Styles and presented three Kansas 4-H Fashion Revue Scholarships. Hutchinson, KS. September 18, 2021.
2018 – Present	Committee Member, <i>Academic Standards Committee</i> , College of Health and Human Sciences, Kansas State University

DEPARTMENT SERVICE

2023	Faculty Representative & Organizer. <i>Fashion Studies Career Connection Night</i> . Virtual Event. April 11, 2023.
2022 – Present	Committee Chair, <i>Awards Nominating Committee</i> , Department of Interior Design and Fashion Studies, Kansas State University.
2023	Faculty Facilitator & Organizer. Open House for Fashion Studies Program. Hoffman Lounge, Justin Hall, Manhattan KS. April 01, 2023.

2022	Faculty Representative & Organizer. <i>Fashion Studies Career Connection Night</i> . Virtual Event. April 07, 2022.
2022	Faculty Facilitator & Organizer. Open House for Fashion Studies Program. Hoffman Lounge, Justin Hall, Manhattan KS. April 09, 2022.
2022	Faculty Representative. Kansas 4H Fashion Event, Virtual Event. April 14, 2022
2021	Faculty Representative. <i>Fashion Studies Career Connection Night</i> . Virtual Event. October 12, 2021.
2020 – Present	Committee Member, <i>Interior Design Search Committee</i> , Department of Interior Design and Fashion Studies, Kansas State University.
2018 – 2022	Committee Member, <i>Awards Nominating Committee</i> , Department of Interior Design and Fashion Studies, Kansas State University.
2019 June	Department Representative for recruitment, <i>Rightfully Sewn 2019 Fashion Designer Professional Development Seminar</i> , June 1, Kansas City, KS.
2019 March	Department Representative, <i>Evening of Impact</i> , Kansas City, KS.
2018	Committee Member, <i>Reappointment Advisory Review Committee</i> , Department of Interior Design and Fashion Studies, Kansas State University, Manhattan, KS.
2018	Faculty Representative, <i>Career Connection Event</i> , October 2, Kansas City, KS.
2018	Exhibitor, <i>K-State Research Showcase</i> , May 16, K-State Olathe Campus, KS.
	Committee Member, <i>Interior Design Faculty Search Committee</i> , Department of Interior Design and Fashion Studies, Kansas State University, Manhattan, KS.
2017	Department Representative for recruitment, <i>Rightfully Sewn</i> , October 14, Kansas City, KS.

PROFESSIONAL DEVELOPMENT

MEMBERSHIPS OF PROFESSIONAL BODIES

2020 – Present	Member	Textile Bioengineering and Informatics Society
2012 – Present	Member	International Textiles and Apparel Association
2015 – 2016	Member	Textile Society of America
2015 – 2016	Member	Costume Society of America

TRAINING & WORKSHOPS

2021 November	International Textile and Apparel Association Workshop. Creative Scholarship: In Retrospect. November 03, 2021. Online Workshop.
	International Textile and Apparel Association Workshop. Leading After a Global Pandemic. November 03, 2021. Online Workshop.
2021 Summer	(Re)design your course for an online or blended modality. Course Design Institute, Kansas State University. Online Course.
2021 April	International Textile and Apparel Association Webinar Series About Design Scholarship: Self-Branding and Documentation Strategies. Online Workshop.
	Inclusive Leadership Session: Collection and Interpretation of Teaching Evaluations, Office for the advancement of Women in Science and Engineering, Kansas State University, Online Workshop.
2021 March	Inclusive Leadership Session: Improving Student Evaluations of Teaching, Office for the advancement of Women in Science and Engineering, Kansas State University, Online Workshop.
	International Textile and Apparel Association Webinar Series About Design Scholarship: Studio Visits - Get That WIP Going! Online Workshop.
2021 February	ReWire: Sustainability 2021 – An Intervention for Fashion. Organized by MOTIF. Online Workshop. *Note. MOTIF is a social eLearning platform providing hands-on courses led by some of the fashion industry's leading practitioners.
2020 November	International Textile and Apparel Association Workshop: Elevate Your Leadership Opportunities. Online Workshop.
	International Textile and Apparel Association Workshop: Visible Thinking for a Data-Driven

	Experiential Ecosystem. Online Workshop.
2020 February	The Faculty Exchange for Teaching Excellence Workshop: Rekindle Your Love of Teaching, Center of Teaching, Kansas State University, Manhattan, KS.
2020 February	The Faculty Exchange for Teaching Excellence Workshop, Center of Teaching, Kansas State University, Manhattan, KS.
2018 November	Writing, Teaching With, and Publishing Case Studies Workshop, International Textile and Apparel Association, Cleveland. OH.
2018 May	iWomen Annual Conference - Workshop: Where Research and Firefighting Experience Come Together to Develop the Future of Personal Protective Equipment. Washington, DC.
2018 April	Training on Browzwear Lotta 3D Design System. Hangzhou, China.
2018 April	Training on Tobii Eye Tracking Pro & Analyzer. Online Training.
2018 April	Training on Human Solutions VITUS 3D Body Scanner. Kansas State University, Manhattan, KS.
2018 March	Training on Siro-FAST Textiles Testing System. Kansas State University, Manhattan, KS.
2017 May	Optitex Educational Round Table, Nike Headquarter at Beaverton, OR
2016 October	Optitex Educational Round Table, Under Armor Headquarter at Baltimore, MD.
2016 – 2017	New Faculty Institute. Teaching and Learning Center, Kansas State University, Manhattan, KS.
2015	University-wide (U-wide) Teaching Conference, Cornell University, Ithaca, NY.
2015	Colman Leadership Program, Cornell University, Ithaca, NY.
2014	Teaching in Higher Education: semester-long course, Cornell University, Ithaca, NY.
2014	CLO3D Apparel CAD training. Cornell University, Ithaca, NY.
2013	Optitex Apparel Pattern CAD Training. Cornell University, Ithaca, NY.

TECHNICAL SKILLS

Skills	Equipment & Software
3D Modeling	AnthroScan; GeoMagic; Google Sketchup; Rhino;
Patternmaking and 3D Design Software	OptiTex; Browzwear; CLO3D; AutoCAD; Gerber AccuMark PDS;
3D Body Scanning	Human Solution Vitus XXL; [TC] ² ; Structure Sensor;
Eye Tracking	Tobii pro-glass 2 eye trackers; Tobii Pro Lab – Analyzer;
Graphic Design	Adobe Photoshop, Illustrator, & InDesign
Media/Video Development	Adobe Premiere;
Textile Testing	SiroFAST;
Quantitative Analysis	SPSS; R Studio;
Qualitative Analysis	ATLAS. ti; NVivo;
Bibliographic Management Programs	Reflow; Mendeley;
Others	XSENS Motion Capture; Tekscan Pressure Mapping Sensors;

AWARDS

2022	Exceptional Fashion Educator <i>Kansas City Fashion Week. Kansas City, MO, United States.</i> *Notification of being an awardee was in April, 2022. Awarding ceremony will be on September 17, 2022.
2014 – 2015	Mary E. Purchase and Vincent V.C. Woo Memorial Graduate Fellowships (\$55,290) <i>Cornell University, Ithaca, NY, United States.</i>
2010	Champion Graduate Students Research Presentation Competition <i>Institute of Textiles and Clothing, Hong Kong Polytechnic University, Hong Kong Special Administration Region, China.</i>
2008 – 2009	Excellent Undergraduate Award (First-class Graduation Honor) <i>Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China</i>

Best Undergraduate Scholarship (2nd Class)
Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China

2007 – 2008

First Prize
National English Contest for College Students (NECCS)
Ministry of Education of the People's Republic of China
Best Undergraduate Scholarship (1st Class)
Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China

2006 – 2007

National Scholarship for Excellent Chinese Universities Students
Ministry of Education of the People's Republic of China
Hong Kong Sang Ma Trust Fund Scholarship (2nd Class)
Hong Kong Sang Ma Trust Fund
Excellent Undergraduate Award
Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China
Best Undergraduate Scholarship (1st Class)
Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China

2005 – 2006

Excellent Undergraduate Award
Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China
Best Undergraduate Scholarship (1st Class)
Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China