

# Yingying Wu

## Curriculum Vita

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## EDUCATION

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- 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

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- 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 August – **Interim Graduate Program Director**  
2024 July 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

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<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>
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 (Wu's share \$265,000)
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 & Sole PI	\$7,500 per year

### RESEARCH PROJECTS (PENDING)

<u>Period</u>	<u>Project Title</u>	<u>Funding Body</u>	<u>Role</u>	<u>Fund</u>
09/26 – 08/29	Exploring Machine-Learning Empowered Virtual Reality in Consumer Science Education: Enhancing Learning Experience in Culinary Labs and Fashion Design Studios	<i>NSF</i>	Co- PI	\$899,855
08/26 – 07/27	Machine Learning for Body Measurements Predictions	<i>Humanetics Digital North America Inc..</i>	Lead PI	Under Negotiated

### 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 &amp; 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>
01/26 – 12/27	One K-State Fund: Adaptive AI-Driven Virtual Reality for Skill-Based Consumer Sciences Education in Culinary and Fashion Labs	<i>K-State</i>	Co-PI	\$150,000
01/26 – 12/27	EPSCoR Research Fellows: NSF: Deep Learning-Enabled Anthropometric Data Analytics and Thermal Comfort Evaluation in Protective Apparel Engineering	<i>NSF</i>	Sole PI	\$234,799
08/25 – 09/25	Big 12 Faculty Fellowship: Optimizing Sizing Systems and Integrating Functional Materials for Female-Specific Firefighting PPE	<i>K-State</i>	Sole PI	\$2,500

Development

07/25 – 06/27	K-State Transdisciplinary Applied Learning Experience (ALE) Incentive Grants: Functional Wearables for Well-Being and Performance: A Transdisciplinary Learning Initiative	<i>K-State</i>	Lead PI	\$39,000
09/25 – 08/28	Exploring Machine-Learning Empowered Virtual Reality in Consumer Science Education: Enhancing Learning Experience in Culinary Labs and Fashion Design Studios	<i>NSF</i>	Co- PI	\$887,848
01/25 – 12/25	Cotton 360°: A Comprehensive Curricular Integration of Cotton Sustainability, Performance Technologies, and Fundamentals in Fashion Education	<i>Cotton, Inc.</i>	Co- PI	\$39,239
01/25 – 12/25	A Comprehensive Evaluation of the WRAX system	<i>Wrax, LLC.</i>	Lead PI	\$6,422
01/24 – 12/25	Dominant vs Dependent: Navigating the Ethical and Practical Dilemmas of Generative AI in Innovating Consumer Science Education	<i>Kansas State University: Game-changing Research Initiation Program for Exploratory Research</i>	Co-PI	\$249,836
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	Korea Institute for Advanced Technology, Korea Display Industry Association program, South Korea.	CO-PI	\$13,163

## REFEREED JOURNAL ARTICLES (\*\* indicates graduate student. \* indicates undergraduate student.)

- Wu, Y.**, Morris, K., Liu, X.\*\*, Boisvert, R.\*\* & Wu, H. (under review). Analyzing Body Asymmetry Using 3D Scans and Machine Learning: Insights from Demographic Patterns and Dominant Hand Bias. *3DBODY.TECH Journal*, vol. 2, Oct. 2025, #30. DOI: <https://doi.org/10.15221/25.30>
- Graciano, C.\*, & **Wu, Y.** (2025, October). An Investigation on Female Firefighters' Challenges with Current Firefighting Turnout Coat and Pants. *Trends in Textile Engineering & Fashion Technology*. 11(1). DOI: 10.31031/TTEFT.2025.11.000754
- Wu, Y.**, Liu, X.\*\*, Morris, K., & Wu, H. (2024, January 15). An Exploratory Study of Body Measurement Prediction using Machine Learning and 3D Body Scans. *Clothing and Textiles Research Journal*. (SSCI. Impact Factor 2024: 2.4).
- Liu, X.\*\*, **Wu, Y.**, & Wu, H. (2024, January 15). 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). Available: <https://doi.org/10.1016/j.enbuild.2023.113770>
- 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). Available: <https://doi.org/10.1186/s40691-022-00314-8>
- 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). Available: <https://doi.org/10.3390/app12147253>
- 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.jobe.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)

## EDITOR REVIEWED BOOK CHAPTERS

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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

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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].

## OTHER PUBLICATIONS

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**Wu, Y.**, 2025. (2025. October). Beyond the Virtual: Embracing Tangible Innovations in Fashion Technology and Sustainability. *Journal of Textile Engineering & Fashion Technology*. An invited opinion article. 11(5):262–264. DOI: 10.15406/jteft.2025.11.00431

## PATENTS

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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.)

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**Wu, Y.**, Morris, K., Liu, X.\*\*, Boisvert, R.\*\* & Wu, H. (2025, October). Analyzing Body Asymmetry Using 3D Scans and Machine Learning: Insights from Demographic Patterns and Dominant Hand Bias. In *Proceedings of 3DBODY.TECH 2025 - 16th International Conference and Expo on 3D/4D Body Scanning, Data and Processing Technologies*. Online Publication: <https://doi.org/10.15221/25.30>

- Note. The abstract of this work is published online in the conference proceeding, while the full paper is currently under review (minor revision) for publication in the 3DBODY.TECH Journal - Vol. 2, Dec. 2025. Once the full paper is accepted, it will be updated also in the same DOI page.

**Wu, Y.** & Graciano, C.\* (2025, October). Investigating the Market: Sizing and Fit Limitations in Firefighting PPE for Female Firefighters. In *Proceedings of 13th International Manikin & Modelling Meeting (I3M): The Clothing and Textile Sciences Research Meeting*. Online Publication: <https://doi.org/10.52750/825607>.

**Wu, Y.**, Liu, X.\*\*, Wu, H. (2024, March). Integrating Artificial Intelligence in Building Energy Management: A Novel Multi-Agent Deep Reinforcement Learning Framework for Occupant-Centric HVAC Control. *2024 The 7th International Conference on Information and Computer Technologies (ICICT)*.

Liu, X.\*\*, **Wu, Y.**, Wu, H. (2023, July). A Multi-Agent Deep Deterministic Policy Gradient Method for Multi-Zone HVAC Control. *2023 IEEE Power & Energy Society (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, October). 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*.
- 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.)

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- 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.)

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- Wu, Y., Morris, K., Liu, X.\*\*, Boisvert, R.\*\* & Wu, H. (2025, October 21-22). Analyzing Body Asymmetry Using 3D Scans and Machine Learning: Insights from Demographic Patterns and Dominant Hand Bias. In *Proceedings of 3DBODY.TECH 2025 - 16th International Conference and Expo on 3D/4D Body Scanning, Data and Processing Technologies*, Lugano, Switzerland, 21-22 Oct. 2025.
- Wu, Y.+ , Liu, X.\*\* , Wu, H.+ (2024, March 15-17). Integrating Artificial Intelligence in Building Energy

- Management: A Novel Multi-Agent Deep Reinforcement Learning Framework for Occupant-Centric HVAC Control. *2024 The 7th International Conference on Information and Computer Technologies (ICICT)*. Honolulu, HA.
- Liu, X.\*\*+, **Wu, Y.**, Wu, H. (2023, July 16-20). A Multi-Agent Deep Deterministic Policy Gradient Method for Multi-Zone HVAC Control. *2023 IEEE Power & Energy Society (PES) General Meeting*. Orlando, FL.
- Wu, Y.**, Liu, X.\*\*+, Morris, K. +, Lu, S., & Wu, H. (2022, October 26-29). An Exploratory Study of Body Measurements Prediction using Machine Learning Methods and 3D Body Scans. *International Textile and Apparel Association Annual Conference*. Denver, CO.
- Graciano, C.\* & **Wu, Y.** + (2022, October 26-29). Protecting Women Who Protect Us: Designing Female-Specific Firefighting Personal Protective Turnout Coat & Pants. *International Textile and Apparel Association Annual Conference*. Denver, CO.
- Graciano, C.\* & **Wu, Y.** + (2022, October 19-20). Development of New Firefighting Personal Protective Turnout Coat and Pants for Protecting Women Who Protect Us. *American Chemistry Society Western Region Meeting (ACS WRM)*. Las Vegas, NV.
- 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. <sup>+</sup>, 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.** <sup>+</sup>, 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 4<sup>th</sup> Textile Bioengineering and Informatics Society International Symposium on Advanced Textiles and Fashion Industry, Beijing, China.

## INVITED PRESENTATIONS

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- Wu, Y.** (2024, September), *Machine Learning Applications in Body Measurements Prediction*. To be presented to Body Data Application Forum North America: Designing the Future of Human Fit and Functionality. Department of Design and Merchandising, Oklahoma State University, Stillwater, OK.
- 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

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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

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**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, 2021, and 2024. 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>
08/24 – 07/27	Educational Partnership with Browzwear (BW)	<i>BW Global North America, Inc.</i>	Up to 20 BW licenses
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.

## AWARDS

2025	<b>Applied Learning Project Award (\$500)</b> <i>College of Health and Human Science. Kansas State University.</i> *Won together with a mentee: Teya Carlini.
2022 – 2023	<b>Excellence in Innovation and Economic Engagement Award (\$1,000)</b> <i>Kansas State University. Awarding ceremony on October 18<sup>th</sup>, 2023.</i>
2023	Nominee. <b>Dawley-Scholer Award for Faculty Excellence in Student Development</b> <i>Kansas State University.</i>
2022	<b>Exceptional Fashion Educator</b> <i>Kansas City Fashion Week. Kansas City, MO, United States.</i> *Notification was in April, 2022. Awarding ceremony on September 17, 2022.
2014 – 2015	<b>Mary E. Purchase and Vincent V.C. Woo Memorial Graduate Fellowships (\$55,290)</b> <i>Cornell University, Ithica, NY, United States.</i>
2010	<b>Champion</b> Graduate Students Research Presentation Competition <i>Institute of Textiles and Clothing, Hong Kong Polytechnic University, Hong Kong Special Administration Region, China.</i>
2008 – 2009	<b>Excellent Undergraduate Award (First-class Graduation Honor)</b> <i>Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China</i> <b>Best Undergraduate Scholarship (2<sup>nd</sup> Class)</b> <i>Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China</i>
2007 – 2008	<b>First Prize</b> National English Contest for College Students (NECCS) <i>Ministry of Education of the People's Republic of China</i> <b>Best Undergraduate Scholarship (1<sup>st</sup> Class)</b> <i>Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China</i>
2006 – 2007	<b>National Scholarship for Excellent Chinese Universities Students</b> <i>Ministry of Education of the People's Republic of China</i> <b>Hong Kong Sang Ma Trust Fund Scholarship (2<sup>nd</sup> Class)</b>

*Hong Kong Sang Ma Trust Fund*  
**Excellent Undergraduate Award**  
*Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China*  
**Best Undergraduate Scholarship** (1<sup>st</sup> Class)  
*Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China*

2005 – 2006     **Excellent Undergraduate Award**  
*Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China*  
**Best Undergraduate Scholarship** (1<sup>st</sup> Class)  
*Zhejiang Sci-Tech University, Hangzhou, Zhejiang, China*

## MENTORING/ADVISING

### GRADUATE APPOINTMENTS

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#### Major Professor: Resident Student

2024 – Present     Reannan Boisvert (Ph.D.). Dissertation Title: TBD.  
2024 Fall             Yang Gao (Ph.D.).  
2017 – 2019         Md. Mayedul Islam (M.S.). Thesis Title: *Exploring consumers' online decision-making process toward sustainable apparel using Eye-tracking technology*

#### Committee Member: Resident Student

2023 – Present     Meredith Schlabach (M.S.). *Effect of varying air velocity and air temperature on clothing thermal insulation values measured with a thermal manikin* (tentative title). Department of Mechanical and Nuclear Engineering. K-State Institute for Environmental Research.  
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, etc.)

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2024 – Present     Teya Carlini. *Research and development of functional clothing for female breast cancer survivors*. College of Health and Human Science Undergraduate Research and Creative Activity.  
2021 – 2023         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. )

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2024 – Present     Teya Carlini. *Research and development of functional clothing for female breast cancer survivors*. College of Health and Human Science Undergraduate Research and Creative Activity. Completed in course: Undergraduate Research Experience.

- **Undergraduate Research Grant.** The Office of Scholar Development and

- Undergraduate Research. 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 6 & 7, 2025.
  - Poster Presentation in the Kansas State University Undergraduate Research Symposium, April 15, 2025.
  
- 2023 - 2024 Josie Farris, Dania Orellana, Natalia Mendoza, and Giemaury Cantrell. *Stamina: Technology-Driven Athletic Wear for Female Long-Distance Runners*. Completed in the course: Pre-production technologies.
  - **Undergraduate Research Grant.** The Office of Scholar Development and Undergraduate Research. 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, April 10-11, 2024.
  - Poster Presentation in the Kansas State University Undergraduate Research Symposia on April 11<sup>th</sup>, 2024.
  
- 2022 – 2023 Agel Yor, Celeste Graciao, and Darbi Rice. *Limbless Living by Adaptive: 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.
  - 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.
  - Poster Presentation in the Kansas State University Undergraduate Research Showcase in April 20-22, 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.
  - Poster Presentation in the Kansas State University Undergraduate Research Showcase in April 20-22, 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 Filingier. *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 (research poster) at the 2022 International Textile and Apparel Association Annual Conference. October 26-29, 2022. Denver, Colorado, United States.
  - Poster Presentation in the Kansas State University Undergraduate Research Showcase in April 20-22, 2022.

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

- **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) 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 14<sup>th</sup> 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. No event and awards in 2024. Starting in 2025, awards would not associate with any specific courses but students' overall performance across courses.)

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- 2023 Lola Stice. **First Place** – Jacket Design Inspired by the Trans World Airlines (TWA) Flight Attendant Uniforms (Janet Rees Collection).  
 Ella Duncan. **Second Place** – Jacket Design Inspired by TWA Flight Attendant Uniforms (Janet Rees Collection).  
 Ava Goss. **Third Place** – Jacket Design Inspired by TWA Flight Attendant Uniforms (Janet Rees Collection).  
 Kierkey Cantrell. **CAD Fashion Design Award.**  
 Agel Yor, Celeste Graciano, and Darbi Rice. Limbless Living by Adaptive. **Pre-production Technologies Award.**
- 2022 Elizabethe Esch – Re-visiting the Skies. **First Place** – Jacket Design Inspired by TWA Flight Attendant Uniforms (Janet Rees Collection).  
 Dania Orellana – Academia Dreams Vol. 1. **Second Place** – Jacket Design Inspired by TWA Flight Attendant Uniforms (Janet Rees Collection).  
 Josie Farris – TWA Inspired Jacket. **Third Place** – Jacket Design Inspired by TWA Flight Attendant 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 Falooona. 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

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- 2026 – Present Associate Editor. *Clothing and Textiles and Research Journal (CTRJ)*. Apparel Science & Technology Track.
- 2024-2025 Guest Editor. Fashioning the Future: Exploring Technological Innovations and Implications for Fashion Business, Consumers, and Education. A Focus Issue of the *Clothing and Textiles and Research Journal (CTRJ)*.
- 2024 Summer and Fall Reviewer. Evaluated an external tenure and promotion package and provided recommendation accordingly.
- 2023 – 2025 Member, Editorial Board. *Clothing and Textiles and Research Journal (CTRJ)*.
- 2020 – Present Associate Editor, Editorial Board. *Journal of Textile Science & Fashion Technology (JTSFT)*.
- 2018 – Present Kansas State University Lead PI. *NC170 Multistate Research Group: Personal Protective Technologies for Current and Emerging Occupational and Environmental Hazards*
- 2022 – 2023 Past-Chair, *NC170 Multistate Research Group: Personal Protective Technologies for Current and Emerging Occupational and Environmental Hazards*
- 2021 – 2022 Chair, *NC170 Multistate Research Group: Personal Protective Technologies for Current and Emerging Occupational and Environmental Hazards*
- 2020 – 2021 Chair-Elect, *NC170 Multistate Research Group: Personal Protective Technologies for Current and Emerging Occupational and Environmental Hazards*
- 2021 – Present Committee Member, Design Education and Scholarship Committee. *International Textile and Apparel Association*.
- 2017 – Present Committee Member, Curriculum Development and Review Committee. *International Textile and Apparel Association*.
- 2018 – Present Reviewer, *Textile Research Journal (6)*; *Clothing and Textiles Research Journal (6)*; *Fashion & Textiles (7)*; *Family and Consumer Science Research Journal (1)*; *Journal of Textile Science & Fashion Technology (6)*
- 2019 – Present Reviewer of conference abstracts and full papers, *International Textile and Apparel Association Annual Conference*. Textile/Apparel Science Track (5 abstracts and 1 full paper in 2024; 5 abstracts and 1 full paper in 2019; 5 abstracts and 1 full paper in 2020; 7 abstracts in 2021; 8 abstracts in 2021;); & Undergraduate Research Track (5 abstracts and 1 full paper in 2024).
- 2021 Graduate Design Jury. Design Exhibition. *International Textile and Apparel Association Annual Conference*. (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

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2017 – 2020	Committee Member, <i>University Library Committee</i> , Kansas State University
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### COLLEGE SERVICE

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2025 - Present	Committee Member, CCOP Representative on the Search Committee for the Associate Dean for Academic and Faculty Affairs of the College of Health and Human Sciences. Kansas State University.
2025 – Present	Committee member, College Committee on Planning (CCOP), School of Consumer Science, College of Health and Human Sciences, Kansas State University.
2018 – Present	Committee Member, <i>Academic Standards Committee</i> , College of Health and Human Sciences, Kansas State University.
2023 – 2024	Committee Member, <i>Search Committee for the Interim Associate Dean for Research</i> of the College of Health and Human Sciences. Kansas State University.
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.

### DEPARTMENT SERVICE

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2025	Faculty Representative. Prepared and taught an Introductory-level Flat Patternmaking session (skirts) to a group of Blue Valley Schools teachers during their Industry Visit to the K-State Olathe campus on March 14th.
2022 – 2025	Committee Chair, <i>Awards Nominating Committee</i> , Fashion Studies, Kansas State University.
2023 – 2024	Interim Graduate Program Director. Department of Interior Design and Fashion Studies, Kansas State University.
2023	Faculty Representative & Organizer. <i>Fashion Studies Career Connection Night</i> . Virtual Event. April 11, 2023.
2023	Faculty Facilitator & Organizer. <i>Open House for Fashion Studies Program</i> . 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. <i>Open House for Fashion Studies Program</i> . Hoffman Lounge, Justin Hall, Manhattan KS. April 09, 2022.
2022	Faculty Representative. <i>Kansas 4H Fashion Event</i> , 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, *Reappointment Advisory Review Committee*, Department of Interior Design and Fashion Studies, Kansas State University, Manhattan, KS.
- 2018 Faculty Representative, *Career Connection Event*, October 2, Kansas City, KS.
- 2018 Exhibitor, *K-State Research Showcase*, May 16, K-State Olathe Campus, KS.
- Committee Member, *Interior Design Faculty Search Committee*, Department of Interior Design and Fashion Studies, Kansas State University, Manhattan, KS.
- 2017 Department Representative for recruitment, *Rightfully Sewn*, October 14, Kansas City, KS.

## PROFESSIONAL DEVELOPMENT

### MEMBERSHIPS OF PROFESSIONAL BODIES

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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

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2024 May 08	University of North Dakota Teaching Transformation and Development Academy (UND TTaDA). Training and/or Professional Development Session (S4) on Networking and Collaborations.
2024 April 15 & 29	University of North Dakota Teaching Transformation and Development Academy (UND TTaDA). Training and/or Professional Development Session (S3) on Techniques that Foster Engagement and Learning.
2024 April 10 & 24	University of North Dakota Teaching Transformation and Development Academy (UND TTaDA). Training and/or Professional Development Session (S2) on Designing Effective Learning Environments.
2024 April 03	University of North Dakota Teaching Transformation and Development Academy (UND TTaDA). Training and/or Professional Development Session (S1) on How to Conduct Research in a Way that Honors the Sovereignty of Tribal Nations
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. <i>*Note.</i> 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**

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<u>Skills</u>	<u>Equipment &amp; Software</u>
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] <sup>2</sup> ; 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;