

# CURRICULUM VITAE

**NAME:** Yingying Wu  
**EMAIL:** [yingyingwu9@ksu.edu](mailto:yingyingwu9@ksu.edu)  
**OFFICE:** 320 Justin Hall  
 1324 Lovers Lane  
 Kansas state University  
 Manhattan, KS 66503

## CURRENT POSITION

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2016 – Present	Assistant Professor	Department of Apparel, Textiles, and Interior Design College of Human Ecology Kansas State University
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## EDUCATION

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2012 – 2016	Ph.D.	Cornell University	Apparel Design
2009 – 2011	M.Phil.	Hong Kong Polytechnic University	Textile and Fashion Technology
2005 – 2009	B.Eng.	Zhejiang Sci-Tech University	Fashion Design and Engineering
2008 Fall	Exchange Student	State University of New York at Oswego	

## CURRENT ONGOING RESEARCH PROJECTS

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<u>Period</u>	<u>Project Title</u>	<u>Funding Body</u>	<u>Role</u>	<u>Fund</u>
2017 – Present	An Anthropometric Study of Middle West Population	<i>Human Solutions: Project Size North America</i>	PI	\$26,125
2017 – Present	Development of a method for shirt design and fabrication to fit around bra size: a pilot study	<i>Gneiss Concept</i>	PI	\$3,870

## RESEARCH PROJECT IN PREPARATION

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<u>Period</u>	<u>Project Title</u>	<u>Funding Body</u>	<u>Role</u>	<u>Fund</u>
2018 Fall	Anthropometric Study of Firefighters: Male Hand and Female Full Body and Hand	<i>AES</i>	PI	TBD
2018 Fall	Visual attention of female body: an explorer eye-tracking study on female body image	<i>K-State University Small Research Grant (USRG)</i>	PI	TBD
2018 Fall	Development of a sizing improvement methodology for large breast women based on 3D body scans	<i>Gneiss Concept</i>	PI	TBD
2019 Spring	Visual attention of Apparel Shopping website: Insights from eye-tracking study	<i>College of Human Ecology Sponsored Research Overhead Funds (CHE SRO)</i>	PI	TBD

## COMPLETED RESEARCH PROJECTS

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<u>Period</u>	<u>Project Title</u>	<u>Funding Body</u>	<u>Role</u>	<u>Fund</u>
2017 – 2018	Visual attention of Airbnb website: Insights from eye-tracking study	<i>None</i>	CO-PI	
2012 – 2017	Development of Close-Fitting Firefighters'	<i>Honeywell First</i>	RA	\$95,500

2014 – 2016	Boots to Improve Mobility Body Image and Appearance Management Strategies of Female Collage Students	<i>Responders Inc. Dept. of Fiber Science &amp; Apparel Design Cornell University</i>	PI	\$1,600
2009 – 2014	Evolutionary Computer-aided Design for Garment Pattern Making	<i>The Research Grants Council of the HKSAR</i>	RA	HK\$837,761
2008 – 2013	Development of an Integrated Garment Pattern Generation System for Fit Optimization	<i>The Research Grants Council of the HKSAR</i>	RA	HK\$546,844

#### **GRANTS (FUNDED)**

	<u>Title</u>	<u>Funding Body</u>	<u>Fund</u>
2017 Jan.	Teaching Grants for teaching Optitex	<i>Academy Sports + Outdoors</i>	\$5,000.
2015	Research Travel Grant for dissertation research project: A cross-cultural study of 35-55 year-old females' body-image, appearance management strategies, and attitudes toward 3D technology	<i>Cornell University Graduate School</i>	\$2,000

#### **AWARDS ( APPLIED BUT NOT FUNDED )**

	<u>Title</u>	<u>Funding Body</u>	<u>Fund</u>
2017 Oct.	ITAA Best Use of Optitex in a School Award	<i>International Textile and Apparel Association (ITAA) &amp; Optitex</i>	\$1,000.
2016 Oct.	ITAA Best Use of Optitex in a School Award	<i>International Textile and Apparel Association (ITAA) &amp; Optitex</i>	\$1,000.

#### **PEER REVIEWED PUBLICATIONS**

2018	<b>Wu, Y. Y.</b> , Xiao, P., & Ashdown S. P. (2018), A cross-cultural study of college-age females' body satisfaction and clothing choices, <i>Journal of Textile Engineering and Fashion Technology</i> . 4(2), 141-146.
2016	Mok, P. Y., Xu, Jie, & <b>Wu, Y. Y.</b> (2016), Chapter 9: Fashion design using evolutionary algorithm and fuzzy set theory – a case to realize skirt design customizations. In J. Choi (Ed.) <i>Information systems for the fashion and apparel industry</i> (1st ed.). Woodbury.
2014	Park, H., Kim, S., <b>Wu, Y. Y.</b> , & Allen, N. E. (2014), Beyond Protection, <i>AATCC Review</i> , 14(5), 40-45.

#### **PEER REVIEWED PUBLICATIONS (UNDER REVIEW)**

2018	<b>Wu, Y. Y.</b> , & Ashdown S. P. (submitted), A cross-cultural study of consumer perceptions of clothing fit: expanding fit education to consumers, <i>Clothing &amp; Textile Research Journal</i> .
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#### **PEER REVIEWED PUBLICATIONS (IN PREPARATION)**

2018	<b>Wu, Y. Y.</b> , & Ashdown S. P. (In preparation), A comparison of Virtual fitting and Actual Fitting, <i>International Journal of Clothing Science and Technology</i> .
2018	<b>Wu, Y. Y.</b> , & Jang, J. (In preparation), A Meta-analytic Study on Applications of Eye-Tracking Technology in Service Fields.

#### **REFERRED CONFERENCE PROCEEDINGS (\* indicates work done as a mentor for students)**

2018	Wang, Y. Y., Fowler, C., <b>Wu, Y. Y.*</b> , & McDonald, C. (2018), Basic Bodice Blocks Development for Fitting Large-Breasted Women. <i>Proceedings of the International Textile and Apparel Association (ITAA)</i> , Nov. 6 <sup>th</sup> – 9 <sup>th</sup> , 2018, Cleveland, Ohio, United States.
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- 2017 **Wu, Y. Y., & Ashdown, S. P.** (2017), A cross-cultural study of consumer perceptions of clothing fit: expanding fit education to consumers. *Proceedings of the International Textile and Apparel Association (ITAA)*, Nov. 13<sup>th</sup> – 18<sup>th</sup>, 2017, St. Petersburg, Florida, United States.
- 2014 **Wu, Y. Y., & Ashdown, S. P.** (2014), A pilot study of 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 (ITAA)*, Nov. 12<sup>th</sup> -16<sup>th</sup>, 2014, Charlotte, North Carolina, United States.
- 2013 **Wu, Y. Y., Jacqueline, L. P., & Ashdown, S. P.** (2013), The influence of scan image for 18-22 age women. *Proceedings of the International Textile and Apparel Association (ITAA)*, Oct. 15<sup>th</sup> – 17<sup>th</sup>, 2013, New Orleans, Louisiana, United States.
- Morris, K., **Wu, Y. Y., & Ashdown, S. P.** (2013). Exploring a Process: Using Technology to Define Firefighter Glove Fit Preference. *Proceedings of the International Textile and Apparel Association (ITAA)*, Oct. 15<sup>th</sup> – 17<sup>th</sup>, 2013, New Orleans, Louisiana.
- 2011 **Wu, Y. Y., Mok, P. Y., Kwok, Y. L., Fan, J. T., & Xin, J. H.** (2011). Intelligent design system for skirt pattenmaking. *Proceedings of the International Symposium on "Advanced Textiles, Fashion Industry"* (TBIS), 2011, Beijing, China.
- Wu, Y. 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 the IMPROVE 2011*, June 15<sup>th</sup> – 17<sup>th</sup>, 2011, Venice, Italy, 463-468.

### **INVITED PRESENTATION**

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- 2017 Jun. - **Wu, Y. Y.** (2017), Comparing Real Garment Fitting and 3D Virtual Fitting. Featured Jul. Presentation. *The Eleventh International Innovation Forum of Textiles & Clothing*. July 05<sup>th</sup> – 06<sup>th</sup>, 2017, Shanghai, China.
- Wu, Y. Y.** (2017), *Experience of Higher Education in United States*. International Department of Huzhou High School. July 4<sup>th</sup> 2017. Huzhou, China
- Wu, Y. Y.** (2017), *Three-Dimensional Apparel Design in Higher Education*. Guest Lecture. Graduate Students Forum, College of Education, Zhejiang University. June 30<sup>th</sup>, 2017, Hangzhou, China.

### **WHITE PAPERS**

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- 2017 Landmarks and Measurement Standards Comparison in 3D Body-model Processing (In publishing). *Institute of Electrical and Electronics Engineers Standard Association (IEEE - SA)*

### **DESIGN SCHOLARSHIP – JURIED EXHIBITIONS (ACCEPTED)**

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	<u>Award</u>	<u>Title of Design</u>	<u>Design Competition</u>
2017 Oct.	Featured Design	SILKISM Yoga Collection: Development and Innovative Use of Natural Materials for Active Wear	<i>The First International Annual Carnival of Nature, Education, and Design, Hangzhou, China</i>
2015	Runner-ups	Body Illusion	<i>Alvanon Half-Scale Challenge</i>

### **AWARDS**

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- 2017 Oct. ITAA Optitex Student Award – Design and Business Strategy  
*International Textile and Apparel Association (ITAA) & Optitex (\$500)*
- 2014 – 2015 Mary E. Purchase and Vincent V.C. Woo Memorial Graduate Fellowships  
*Cornell University (\$55,290)*
- 2011 Outstanding Research Paper  
The International Symposium on “Advanced Textiles, Fashion Industry”  
*The Beijing Institute of Fashion Technology*
- 2010 Champion

	Graduate Students Research Presentation Competition <i>Institute of Textiles and Clothing, Hong Kong Polytechnic University</i>
2008 – 2009	Excellent Undergraduate Award (First-class Graduation Honor) <i>Zhejiang Sci-Tech University</i> Best Undergraduate Scholarship (2 <sup>nd</sup> Class) <i>Zhejiang Sci-Tech University</i>
2007 – 2008	First Prize National English Contest for College Students (NECCS) <i>Ministry of Education of the People's Republic of China</i> Best Undergraduate Scholarship (1 <sup>st</sup> Class) <i>Zhejiang Sci-Tech University</i>
2006 – 2007	National Scholarship for Excellent Chinese Universities Students <i>Ministry of Education of the People's Republic of China</i> Hong Kong Sang Ma Trust Fund Scholarship (2 <sup>nd</sup> Class) <i>Hong Kong Sang Ma Trust Fund</i> Excellent Undergraduate Award <i>Zhejiang Sci-Tech University</i> Best Undergraduate Scholarship (1 <sup>st</sup> Class) <i>Zhejiang Sci-Tech University</i> Nominee – Fu Rong “Commonwealth” Award <i>Hunan Provincial Committee of Communist Youth League, Hunan Youth Development Foundation, and China Tobacco Hunan Industry Corporation</i>
2005 – 2006	Excellent Undergraduate Award <i>Zhejiang Sci-Tech University</i> Best Undergraduate Scholarship (1 <sup>st</sup> Class) <i>Zhejiang Sci-Tech University</i>

## **COURSE TAUGHT**

	<u>Course Name</u>	<u>Institute</u>	<u>Role</u>
Spring 2018 & Spring 2017	AT410 Apparel Production II AT610 CAD for Apparel	Kansas State University	Instructor
Fall 2017 & Fall 2016	AT655 Apparel Pattern Development I AT670 Apparel Pre-Production Process		
2016 Spring 2015 Fall	FSAD 2660 Product Development FSAD 1450 Introduction to Fashion Design FSAD 2650 Patternmaking for Fashion Design	Cornell University	TA Instructor TA
2014 Spring	FSAD 3690 Style, Fashion, and the Apparel Industry The Barbara L. Kuhlman scholar's fiber arts & wearable arts exhibition		TA TA
2013 Fall	FSAD 1450 Introduction to Fashion Design FSAD 2650 Patternmaking for Fashion Design		TA
2013 Spring & 2012 Fall	FSAD 1140 Introduction to Computer-Aided Design FSAD 3550 Active Sportswear Design		TA TA
2012 Spring	FSAD 2640 Draping		TA

## **GRADUATE APPOINTMENTS**

### **Committee Member: Resident**

2016 – Present	Sahar Hassan Ejeimi (PhD)
2017 – Present	Md. Mayedul Islam (MS)

## **FACULTY MENTOR OF UNDERGRADUATE RESEARCH and HONORS PROJECTS**

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2017 – Present Yiya Wang & Charlsie Fowler (AT499 Independent Study)  
2016 Emily Andrews (Honors Project)

## **STUDENTS' SUCCESS THROUGH TEACHING & MENTORING**

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2018 Nov. Yiya Wang & Charlsie Fowler (AT499 Independent Study): Poster Presentation for project titled Basic Bodice Blocks Development for Fitting Large-Breasted Women, *International Textile and Apparel Association (ITAA)*, Nov. 6<sup>th</sup> – 9<sup>th</sup>, 2018, Cleveland, Ohio, United States.  
2018 Apr. Yiya Wang & Charlsie Fowler (AT499 Independent Study): Presentation and Display for project titled Basic Bodice Blocks Development for Fitting Large-Breasted Women, College of Human Ecology Undergraduate Research and Creative Inquiry Competition.  
2017 Nov. Brook Wallace, Emily Sanders, Maria Zarina Domingo, and Yelei Yang (AT670 Apparel Pre-production and Process): *Construct an Illusion*. ITAA Optitex Student Award of Design and Business Strategy, International Textile and Apparel Association (ITAA) & Optitex (\$500)  
2017 Nov. Brook Wallace, Emily Sanders, Maria Zarina Domingo, and Yelei Yang (AT670 Apparel Pre-production and Process): *Kaleidoscope*. International Textile and Apparel Association (ITAA) Design Competition.

## **MEMBERSHIPS OF PROFESSIONAL BODIES**

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

## **LEADERSHIP AND MANAGEMENT**

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2018 – Present Kansas State University Official Representative & Member  
*NC170 Multistate Research Group: Personal Protective Technologies for Current and Emerging Occupational and Environmental Hazards*  
2017 - Present Committee Member, Curriculum Development and Review Committee  
*International Textile and Apparel Association (ITAA)*  
2016 – Present Founding Member & Team Leader  
*International Electrical and Electronics Engineers Standard Association – Industry Connection(IEEE-SA-IC)*

## **INSTITUTIONAL SERVICE**

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2017 – Present Committee Member, *University Library Committee*, Kansas State University  
Committee Member, *Faculty Awards Nomination Committee*, Department of Apparel, Textiles, and Interior Design, Kansas State University.  
2018 Committee Member, *Reappointment Advisory Review Committee*. Department of Apparel, Textiles, and Interior Design, Kansas State University.  
2017-2018 Co-advisor, *Apparel Marking and Design Association (AMDA)*, Department of Apparel, Textiles, and Interior Design, Kansas State University.  
Committee Member, *Interior Design Faculty Search Committee*, Department of Apparel, Textiles, and Interior Design, Kansas State University.  
2013 – 2014 Secretary, *Fiber Science & Apparel Design Journal Club*, Cornell University  
2012 Assistant, *Cornell Fashion Collective (CFC)*, Cornell University  
2007 Vice Director, *Department of student studying and researching affair*, Student Union of the Fashion Institute of Zhejiang Sci-Tech University  
University Student Ambassador, *The Welcoming Gala of Taiwan University Students*, Communist Youth League at Hang Zhou, China  
Volunteer, *Hangzhou Homeless Center*, Hang Zhou, China  
Volunteer, *Women World Cup*, FIFA, Hang Zhou, China

## **SERVICE TO APPAREL DESIGN COMMUNITY**

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2017 Nov.	Design Judge, <i>Make It with Wool Contests</i>
2017 Jul.	Undergraduate Design Jury, <i>International Textile and Apparel Association (ITAA)</i>
2016 Nov.	Design Judge, <i>Make It with Wool Contests</i>

## **TRAINING & WORKSHOPS**

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2018 May	2018 iWomen Annual Conference - Workshop: Where Research and Firefighting Experience Come Together to Develop the Future of Personal Protective Equipment
2018 Apr.	Training on Browzwear Lotta 3D Design System
2018 Apr.	Training on Tobii Eye Tracking Pro & Analyzer
2018 Apr.	Training on Human Solutions VITUS 3D Body Scanner
2018 Mar.	Training on Siro-FAST Textiles Testing System
2017 Apr.	New Faculty D.C. Trip, Kansas State University
2016 – 2017	New Faculty Institute, Kansas State University
2015	Academic Writing: semester-long course, Cornell University
2015	University-wide (U-wide) Teaching Conference, Cornell University
2015	Colman Leadership Program, Cornell University
2014	Teaching in Higher Education: semester-long course, Cornell University
2014	CLO3D Apparel CAD training
2013	Optitex Apparel Pattern CAD Training

## **INDUSTRY PRACTICES**

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	<u>Corporation</u>	<u>Role</u>
2018 – Present	High Fashion International Ltd., Hangzhou, China	Consultant
2009 – Present	He Hong Machine Co., Ltd., Huzhou city, Zhejiang, China	Consultant
2007	USAGO International Apparel Trading Company, Hang Zhou, China Tai He Apparel Company, Jia Xing, China	Manager Assistant Trainee

## **OUTREACH**

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2018	Invited speaker, Verde Clovers 4H Club, May 14 <sup>th</sup> , Manhattan, KS.
2018	Exhibitor, <i>K-State Research Showcase</i> , May 16 <sup>th</sup> , K-State Olathe Campus, KS.
2017	Department Representative for recruitment, <i>Rightfully Sewn</i> , October 14 <sup>th</sup> , Kansas City, KS.

## **TECHNICAL SKILLS**

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Test for Fabric Handle	SiroFAST;
Eye Tracking	Tobii pro-glass 2 eye trackers;
3D Body Scanning	Human Solution Vitus XXL; [TC] <sup>2</sup> ;
Graphic Design	Adobe Photoshop & Illustrator;
Patternmaking and 3D Design Software	OptiTex; Browzwear; CLO3D; AutoCAD; Gerber AccuMark PDS;
3D Software	Google Sketchup; GeoMagic;
Quantitative Analysis	SPSS; R Studio;
Qualitative Analysis	ATLAS. ti; NVivo;
Bibliographic Management Programs	Reflow; Mendeley;
Others	XSENS Motion Capture; Tekscan Pressure Mapping Sensors;