

CURRICULUM

VITA

## YINGYING WU

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### Research Interests

Applications of computer technologies in Apparel Design; Clothing fit; Patternmaking; Cultural influence on clothing preferences; Social Psychology of Clothing; Body image;

### Education

01/2012 – 08/2016:

- Department of Fiber Science and Apparel Design, Cornell University
- Major: Apparel Design
- Degree: Doctor of Philosophy; Expected Date: January, 2016;
- Dissertation: A cross-cultural study of 35-55 year-old females' body-image, appearance management strategies, and attitudes toward 3D technology

09/2009-11/2011:

- Institute of Textile and Clothing, Hong Kong Polytechnic University, Hong Kong
- Major: Textile and Fashion Technology
- Degree: Master of Philosophy, November 2011
- Thesis: Development of an Intelligent Patternmaking System for Skirt Design

09/2005-07/2009:

- Fashion Institution, Zhejiang Sci-Tech University, Hangzhou, Mainland China
- Major: Fashion Design and Technology
- Degree: Bachelor of Engineering, July 2009
- Thesis: Made-to-Measure (MTM) for Customized Fit
- Exchange Student to US, State University of New York, Oswego, New York, United States, Fall Semester Senior Year

### Research Assistantships

2013 – 2014: Research Project, Dept. of Fiber Science & Apparel Design, Cornell University & Fashion Institute of Technology, Donghua University, China.

- Title of Project: Body Image and Appearance Management Strategies of Female Collage Students (Funded by Dong Hua University, China)

2013: Graduate Research Assistant, Department of Fiber Science & Apparel Design, Cornell University.

- Title of Project: Development of close-fitting firefighters' boots to improve mobility (Funded by Honeywell First Responders Inc.)

2011: Research Assistant/RA, Institute of Textiles and Clothing, Hong Kong Polytechnic University.

- Research Project: Intelligent Design and Patternmaking System (Funded by The Research Grants Council of the Hong Kong Special Administrative Region, China)

### Professional Appointments

2016 August – Present:

Assistant Professor, Department of Apparel, Textiles, and Interior Design, Kansas State University, Manhattan, KS, USA.

## Teaching Experience

2017 Spring

- AT610 CAD for Apparel
- AT410 Apparel Production II

2016 Fall

- AT655 Apparel Pattern Development I
- AT670 Apparel Pre-Production Process

2016 Spring (Teaching Assistant/TA):

- FSAD 2660 Product Development

2015 Fall (TA):

- FSAD 1450 Introduction to Fashion Design
- FSAD 2650 Patternmaking for Fashion Design

2014 Spring (TA):

- FSAD 3690 Style, Fashion, and the Apparel Industry
- The Barbara L. Kuhlman scholar's fiber arts & wearable arts exhibition

2013 Fall (TA):

- FSAD 1450 Introduction to Fashion Design
- FSAD 2650 Patternmaking for Fashion Design

2013 Spring & 2012 Fall (TA):

- FSAD 1140 Introduction to Computer-Aided Design
- FSAD 3550 Active Sportswear Design

2012 Spring (TA):

- FSAD 2640 Draping

## Peer Reviewed Publications

- Mok, P. Y., Xu, Jie, & **Wu, Y. 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.
- Park, H., Kim, S., **Wu, Y. Y.**, & Allen, N. E. (2014), Beyond Protection, *AATCC Review*, 14(5), 40-45.

## Papers in Preparation

- **Wu, Y. Y.**, Xiao, P., & Ashdown, S. P. (in preparation), A Cross-Cultural Study of Female College Students' Body Image and Appearance Management Strategy. *International Journal of Clothing Science & Technology*.
- **Wu, Y. Y.**, Xiao, P., & Ashdown, S. P. (in preparation), A Cross-Cultural Study of Fit Evaluation: An Exploration of Consumer Fitting Practices for Real and Virtual Garments Part 1: Shirts. *Clothing and Textiles Research Journal*.
- **Wu, Y. Y.**, Xiao, P., & Ashdown, S. P. (in preparation), A Cross-Cultural Study of Fit Evaluation: An Exploration of Consumer Fitting Practices for Real and Virtual Garments Part 2: Pants. *Clothing and Textiles Research Journal*.

## Conferences Presentations

- **Wu, Y. Y.** (2017), Comparing Real Garment Fitting and 3D Virtual Fitting. Keynote Speaker. *The Eleventh*

*International Innovation Forum of Textiles & Clothing*. July 05th – 06th, 2017, Shanghai, China.

- **Wu, Y. Y.** and 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. *ITAA*, Nov. 12<sup>th</sup> -16<sup>th</sup>, 2014, Charlotte, North Carolina, United States.
- **Wu, Y. Y.**, Jacqueline, L. P., & Ashdown, S. P. (2013), The influence of scan image for 18-22 age women. *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. Presented at the annual meeting of International Textile and Apparel Association, New Orleans, Louisiana.
- **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, 2011.
- **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 Presentations

- **Wu, Y. Y.** (2017), Virtual Garment Design and Fitting. Beijing Institute of Fashion and Technology. June 13<sup>th</sup> -14<sup>th</sup> 2017 .Beijing, China.
- **Wu, Y. Y.** (2017), Three-Dimensional Apparel Design in Higher Education. Graduate Students Forum, College of Education, Zhejiang University. June 30<sup>th</sup> 2017. Hangzhou, China.
- **Wu, Y. Y.** (2017), Experience of Higher Education in United States. Huzhou High School International Department. July 4<sup>th</sup> 2017. Huzhou High School, Huzhou, China.

### White Paper

- Institute of Electrical and Electronics Engineers Standard Association (IEEE - SA). (2016). Landmarks and Measurement Standards Comparison in 3D Body-model Processing (*in publishing*).
- Institute of Electrical and Electronics Engineers Standard Association (IEEE - SA). (2016). *Quality and Ground truth generation in 3D-Body-Model Processing. (In preparation)*.

### Fellowships

2014 - 2015:

- Mary E. Purchase and Vincent V.C. Woo Memorial Graduate Fellowships, Cornell University, College of Human Ecology, \$55,290.

### Grants and Funds

**Funded:**

2017-2018:

- Teaching Funds, Academy Sports + Outdoors to facilitate teaching Optitex, \$5,000.

2014-2015:

- Research Travel Grant, Cornell University Graduate School  
Title of Proposal: A cross-cultural study of 35-55 year-old females' body-image, appearance management strategies, and attitudes toward 3D technology, PI, \$2000.

2014:

- Ph.D. Student Research Grant, Cornell University, College of Human Ecology, Department of Fiber Science & Apparel Design  
Dissertation: A cross-cultural study of 35-55 year-old females' body-image, appearance management strategies, and attitudes toward 3D technology, PI, \$1600

## **Not Funded:**

2016:

- International Textile and Apparel Association (ITAA) Optitex Best Use of Optitex in a School Award, \$1,000, Not Awarded.

## **Design Scholarships**

2017:

- Silkism: A Collection of Yoga Outfits (2017). *The First Annual Hangzhou Carnival of Nature, Education, and Design*. Hangzhou, October 28<sup>th</sup> – 29<sup>th</sup> 2017.

2015:

- Runner-ups. Alvanon Half-Scale Design Competition.

## **Awards**

2011:

- Outstanding Research Paper  
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, 2011.

2009-2010:

- Champion, Best Research Presentation Award, Institute of Textiles and Clothing, Hong Kong Polytechnic University

2008-2009:

- Best Undergraduate Student

2007-2008

- First Prize, National English Contest for College Students (NECCS)
- Second Class Best Student Scholarship

2006-2007

- National Scholarship for Excellent Chinese Universities Students
- Second Class Hong Kong Sang Ma Trust Fund Scholarship
- The Award of Excellent Student
- First Class Scholarship
- Nomination for Fu Rong "Commonwealth" Award

2005-2006

- The Award of Excellent Student
- First Class Scholarship

## **Industrial Experience**

2009:

- Interpreter, He Hong Machine Co., Ltd., Huzhou city, Zhejiang, China

2007:

- Manager Assistant, USAGO International Apparel Trading Company, Hang Zhou, China
- Trainee, Tai He Apparel Company, Jia Xing, China

## **Professional Development**

2017 July:

- Undergraduate Design Jury, International Textile and Apparel Association (ITAA)

2016 November 6<sup>th</sup>:

- Design Judge, Make It with Wool Contests. Kansas State University, Manhattan, U.S.

2016 May – Present:

- Founding Member and Technical Team Leader, International Electrical and Electronics Engineers Standard Association (IEEE - SA) Industry Connection (IC).

2012- Present:

- Member, International Textiles and Apparel Association

2015- Present:

- Member, Textile Society of America
- Member, Costume Society of America

2015 Fall:

- Academic Writing: semester-long course, Cornell University
- University-wide (U-wide) Teaching Conference, Cornell University

2015 Summer:

- Member, Colman Leadership Program, Cornell University

2014 Fall:

- Teaching in Higher Education: semester-long course, Cornell University

### **Services**

2013-2014:

- Secretary, Fiber Science & Apparel Design Journal Club, Cornell University

2012:

- Assistant, Cornell Fashion Collective (CFC), Cornell University

2007:

- Vice director of the department of student studying and researching affair, the Student Union of the Fashion Institute of Zhejiang Sci-Tech University
- University Student Ambassador, The Welcoming Gala of Taiwan university students, Hang Zhou, China
- Volunteer, Hangzhou Homeless Center, Hang Zhou, China
- Volunteer, the Women World Cup, FIFA, Hang Zhou, China

### **Technical Skills:**

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

**Language skills:**

Chinese; English; Cantonese;