

LUSHAN (SARINA) SUN Curriculum Vitae

Assistant Professor
Department of Consumer & Design Sciences
308 Spidle Hall, Auburn University
Auburn, AL 36849

Email: sarinasun@auburn.edu
Website: <http://sunny331998.wix.com/sarinasun>

EDUCATION

Ph.D (2012 – 2015) UNIVERSITY OF MISSOURI, Columbia, MO
Department of Textile & Apparel Management
Emphasis: Product Development & Manufacturing
Support area: Digital technology
Certificate: **Center for the Digital Globe Graduate Certificate** (Fall 2014)
Advisor: Dr. Jean Parsons

M.S. (2010 – 2012) KANSAS STATE UNIVERSITY, Manhattan, KS
Department of Apparel, Textiles & Interior Design
Emphasis: Design
Advisor: Dr. Sherry Haar

B.S. (2004 – 2008) LOUISIANA STATE UNIVERSITY, Baton Rouge, LA
Department of Textiles, Apparel & Merchandising
Emphasis: Apparel Design
Minor: Communication Study

DISSERTATION

Accessing axis: Exploring design cognition from visual and haptic experiences as an apparel designer in digital 3D imaging using 3D printing technology. Unpublished dissertation.

THESIS

Slow design in Chinese Su Xiu embroidery for apparel: applying silk, cotton, and wool flosses to silk and cotton fabrics with physical resist dyeing techniques using natural dye. Unpublished master's thesis.

RESEARCH INTERESTS

Design cognition | Human-computer interaction (2D/3D CAD) | Design thinking
3D printing | Digital textile printing | 3D body scanning & simulation
Sustainable design (minimal waste, slow design) | Design research methods

PROFESSIONAL EXPERIENCE

ACADEMIC POSITION

Assistant Professor, Auburn University, Auburn, AL (2015-present)
• Graduate faculty status awarded October 2015

TEACHING

Assistant Professor, Auburn University, Auburn, AL
• CADS 2770 for Apparel Design (Spring 2016)
• CADS 4750 Product Development: Specialized Design (Spring 2016)
• CADS 4500 Portfolio Development for Apparel Designers (present)
• CADS 4960 Problem in Design: ITAA Design 1 (present)

Graduate instructor, University of Missouri, Columbia, MO

- TAM 2580 Digital Textile & Apparel Application (Spring 2015)
- TAM 2480 Textile and Apparel Presentation Techniques (Fall 2014)

Graduate teaching assistant, University of Missouri, Columbia, MO

- TAM 2380 Integrated Apparel Design and Production I (Patternmaking) (Fall 2013-Spring 2014)
- TAM 2480 Textile and Apparel Presentation Techniques (Fall 2012-Spring 2014)
- TAM 2580 Digital Textile & Apparel Application (Spring 2012-Spring 2013)
- TAM 3480 Technical Design (Spring 2013)

Graduate teaching assistant, Kansas State University, Manhattan, KS

- AT 300 Apparel Production I (introductory construction) (Fall 2010-Spring 2011)

RESEARCH

Graduate research assistant, Knipschild Design & Research Lab, Kitty Dickerson Technology Lab, University of Missouri, Columbia, MO (August 2012-May 2014)

Graduate research assistant, KSU Historic Textile & Costume Museum, Kansas State University, Manhattan, KS (August 2010- May 2011)

INDUSTRY

Intern, *Zhenxin Dyeing Factory* (振心染坊) (produces Nantong Blue Calico 蓝印花布), Chinese Intangible Heritage base, Nantong, Jiangsu, China (January 2010).

Assistant Manager, KOHL'S, Lake Charles, LA (2009)

Intern, KOHL'S, Baton Rouge, LA (June-August 2008)

Intern, *Shen Shou Art Museum* (showcases traditional Chinese embroidery Shen Xiu), Nantong, Jiangsu, China, (July-Aug 2007)

Intern, Tao Yu Mei apparel company (produces Qi Pao), Nanjing, Jiangsu, China (June 2007)

PROFESSIONAL RESEARCH PRESENTATION (presenter in bold)

INVITED

Sun, L. (2014). *Accessing Axis as a traditional apparel designer*. Special topic on Design practice/design research: Retrievable, contextualized & making a contribution to knowledge. International Textile and Apparel Association, November 12-16, Charlotte, NC.

PEER REVIEWED

Sun L. & Lu, S. (expected November 11, 2015). The 3D printing era: A conceptual model for the textile and apparel industry. International Textile and Apparel Association, November 9-13, Santa Fe, NM.

Sun, L. & Parsons, J. (2014). 3D printing for apparel design: Exploring apparel design process using 3D modeling software. International Textile and Apparel Association, November 12-16, Charlotte, NC. **Awarded Vinci Award for Excellence in Research Emphasizing Technology.**

Sun, L. & Hawley, J. M. (2014). Personal meaning making: Exploring consumer's perception of indigenous handcrafted apparel and textile product. International Textile and Apparel Association, November 12-16, Charlotte, NC.

Sohn, M. & **Sun, L.** (2014). Effectiveness of 3D CAD in apparel design education: 3D fitting and pattern adjustment for plus size fit model. International Textile And Apparel Association, November 12-16, Charlotte, NC.

Sohn, M. & Sun, L. (2014). Exploratory study of 3D virtual fit testing using virtual garment simulation technology. International Textile and Apparel Association, November 12-16, Charlotte, NC.

Sun, L. & LeHew, M. (2013). 70 Years of Fashion in the Chinese Dress Exploring Sociocultural influences on Chinese Qipao's Hemline Height and Waistline Fit in 1920s-1980s. International Textile and Apparel Association, Oct 15-18, 2013, New Orleans, LA.

PEER REVIEWED (DESIGN RESEARCH) **Sun, L. & Parsons, J.** (faculty mentor). Renascence. (expected November 12, 2015). Digitally printed textile ensemble to be exhibited at International Textile & Apparel Association, November 9-13, Santa Fe, NM.

Sun, L. & Parsons, J. (faculty mentor). Accessing Axis. (November 15, 2014). 3D printed and digitally printed textile ensemble exhibited at International Textile & Apparel Association Mounted Gallery, November 12-16, 2014, Charlotte, NC.

Sun, L. & Parsons, J. (faculty mentor). Striated. (November 15, 2014). Digitally printed soy knit ensemble exhibited at International Textile & Apparel Association Live Gallery, November 12-16, 2014, Charlotte, NC.

Sun, L. & Haar, S. (faculty mentor). Naturally Refined Series: Rippled. (October 16, 2013). Fiber art exhibited at International Textile & Apparel Association Fiber Art Mounted Exhibit, October 15-18, 2013, New Orleans, LA.

Sun, L. & Haar, S. (faculty mentor). Captured. (November 5, 2011). Fiber art exhibited at International Textile & Apparel Association Fiber Art Mounted Exhibit, November 3-5, 2011, Philadelphia, PA.

Sun, L. & Haar, S. (faculty mentor). Cooled by indigo. (November 5, 2011). Sustainable apparel exhibited at International Textile & Apparel Association Fiber Art Mounted Exhibit, November 3-5, 2011, Philadelphia, PA. **Awarded Sustainable Design in Educators for Socially Responsible Apparel Business.**

PEER-REVIEWD RESEAERCH PUBLICATION

Sohn, M. & Sun, L. (2013). An exploratory study of virtual fit testing using 3D virtual fit models and garment simulation technology in technical design. 3D Body Scanning Technologies 4th International Conference and Exhibition. November 19-20, 2013. Long Beach CA, USA.

PUBLICATION IN PREP **Sun, L. & Hawley, J. M.** (in preparation). Personal meaning making: Exploring consumer's perception of indigenous handcrafted apparel and textile product.

DESIGN EXHIBITION/RESEARCH

SOLO EXHIBITION **Sun, L.** (March 5-24, 2012). Naturally Refined 源: Sustainable Fiber Art Exhibition. Master thesis fiber art garment collection showcased through exposition format. (Advisor: Haar, S.) William T. Kemper Art Gallery, K-State Student Union, Manhattan, KS.

NON-PEER REVIEWED

Sun, L. & Parsons, J. (faculty mentor). (April 2014). Striated. Digitally printed design using engineered pattern and minimal waste flat pattern technique using soy knit fabric. Filleppello display case, Gwynn Hall, University of Missouri, Columbia, MO.

Sun, L. & Stealey, J. (faculty mentor). (September 20, 2013). Mapped. Digitally printed design using engineered pattern and 3D simulated garment design developed with multidisciplinary CAD software featured in Art and Design in the Digital Age: 3D Virtual Fashion Student Project Showcase. iLab, Stanley Hall, University of Missouri, Columbia, MO.

Sun, L. & Sohn, M. (faculty mentor). (September 20, 2013). Watercolor. 3D simulated garment design developed with multidisciplinary CAD software featured in Art and Design in the Digital Age: 3D Virtual Fashion Student Project Showcase. iLab, Stanley Hall, University of Missouri, Columbia, MO.

Sun, L. & Haar, S. (faculty mentor) (December 14-April 16, 2011). Captured & Cooled by Indigo. Two fiber art garment designs featured in Textile Surface Design class student exhibition, Color Irresistible. Justin Hall Display Cases, Kansas State University, Manhattan, KS.

FASHION SHOWCASE/COMPETITION

- *2010 K-State Project Runway*. Student Union Forum Hall, Kansas State University, Manhattan, KS, (February 19, 2010). **Awarded first place for fiber art design**
- *Rock N Wear: Jungle Fever Fashion Competition*. Serrano's Salsa Company, Baton Rouge, LA. (November 3, 2006). **Finalist selected for competition in wearable art challenge**
- *Freedom by Fashion 2013: Unmasking Modern Day Slavery*. Benefiting Human Trafficking Coalition. Plaza Event Center, Columbia, MO. (November 2013).
- *Mizzou Botanic Garden Plant Fashion Show*. Stotler Lounge, Memorial Union, University of Missouri, Columbia, MO. (April 18, 2012).

PROFESSIONAL DEVELOPMENT

- *RESPOND: Partnering for Campus Mental Health workshop*, University of Missouri, Columbia, MO (January 2015).
- *Arts of Fashion MasterClass-Series, Rainbow Warrior*, instructed by Tony Delcampe, director of fashion department at La Cambre, Brussels, and Laurent Edmond, first creative assistant to Maison Martin Margiela, San Francisco, CA (October 2008).

FUNDING/AWARDS

FUNDED DESIGN RESEARCH

- \$1,850—**Sun, L.** (2015). Accessing axis as an apparel designer: exploring design cognition from visual and haptic experiences in digital 3D imaging for 3D printing technology (Doctoral dissertation research). *Center for Digital Globe Research Fund*, University of Missouri.
- \$500—**Sun, L.** (2015). Accessing axis as an apparel designer: exploring design cognition from visual and haptic experiences in digital 3D imaging for 3D printing technology (Doctoral dissertation research). *Graduate Student Association-Textile & Apparel Management Research Fund*, Textile & Apparel Management, University of Missouri.
- \$300—**Sun, L.** (2012). Naturally Refined 源: Sustainable Fiber Art Exhibition. Exhibited

Master thesis fiber art garment collection, William T. Kemper Art Gallery, K-State Student Union, Manhattan, KS (Advisor: Haar, S.). *KSU Apparel & Textile Graduate Student Organization Thesis Scholarship*, Apparel, Textile & Interior Design, Kansas State University.

- \$1,000— **Sun, L.** (2011). Slow design in Chinese Su Xiu embroidery for apparel: applying silk, cotton, and wool flosses to silk and cotton fabrics with physical resist dyeing techniques using natural dye. (Advisor: Haar S.). *Stewart Family Research Fund*, College of Human Ecology, Kansas State University.
- \$210— **Sun, L.** (2011). Slow design in Chinese Su Xiu embroidery for apparel: applying silk, cotton, and wool flosses to silk and cotton fabrics with physical resist dyeing techniques using natural dye. (Advisor: Haar S.). *Agriculture Experiment Station*, Department of Apparel, Textiles & Interior Design, Kansas State University.

FUNDED COLLABORATIVE PROJECT

- \$1,000—Sohn, M., Yoon, S., **Sun, L.** (2013). Communication of sizing and fit: Examining relationship between consumers' perception of body shape preference. *Margaret Mangel Catalyst Fund*, University of Missouri.
- \$22, 500—Hawley, J. M., Sohn, M., Ha-Brookshire, J., **Sun, L.** & 3 others (2013). Leading the Future of the Retail Industry through Creating Digital/Virtual Student Project Showcases, *MU Interdisciplinary Innovation Fund, Provost Office*, University of Missouri.
- \$1,000—Sohn, M., Ha-Brookshire, J. & **Sun, L.** (2012). Examining the effectiveness of 3D virtual fit testing: Focusing on the plus-size apparel product development process. *Mizzou Alumni Association Richard Wallace Research Incentive Grant*, University of Missouri.

SCHOLARSHIP

- \$7,450—*COHO Scholarship*, College of Human Ecology, Kansas State University (2011).
- \$20,400—*Bengal Legacy Scholarship*, Louisiana State University (2004-2008).

RESEARCH AWARD

- \$200—*Vinci Award for Excellence in Research Emphasizing Technology*, **Sun, L.** & Parsons, J. (2014). 3D printing for apparel design: Exploring apparel design process using 3D modeling software. Presented at 2014 International Textile and Apparel Association Annual Conference, Charlotte, NC.

DESIGN AWARD

- *Sustainable design for Educator for Socially Responsible Apparel Business*, **Sun, L.** (2011). Cooled by Indigo. Exhibited at the 2011 International Textile and Apparel Association Annual Conference, Philadelphia, PA.
- \$150—*First place in 2010 K-State Project Runway* for wearable art design using recyclable material, Kansas State University, Manhattan, KS (2010).

TEACHING AWARD

- \$500—*Graduate Student Teaching Award*, Department of Textiles & Apparel Management, University of Missouri (2014).

TRAVEL AWARD

- \$495.41—*Graduate Professional Council Travel Award*, University of Missouri (2014).
- \$400—*Graduate Student Association-Textile & Apparel Management Travel Fund*, Textile & Apparel Management, University of Missouri (2013).
- \$800—*Apparel & Textile Graduate Student Organization Travel Fund*, Apparel, Textile & Interior Design, Kansas State University (2011).

MEMBERSHIP/SERVICE

MEMBERSHIP

- Member of International Textiles & Apparel Association (2011-present)
- Member of Graduate Student Organization-Textile & Apparel Management, University of Missouri (2012-2015)
- Member of 3D Printing Club, University of Missouri (2013-2015)
- Member of Apparel & Textiles Graduate Student Organization, Kansas State University (2010-2012)
- Member of Louisiana State University Friends of the Textile & Costume Museum (2006-2007)
- Member of Hemline – Louisiana State University (2006-2007)

POSITION HELD

- Apparel Merchandising & Design Association (AMDA) Student Chapter Faculty Advisor, Consumer & Design Sciences, Auburn University (2015-present)
- Mentoring & Peer Review Committee, Consumer & Design Sciences, Auburn University (2015-present)
- Graduate Professional Council Representative-Mental Health External Committee – Graduate Student Organization-Textile & Apparel Management, University of Missouri (2014-2015)
- Community Outreach Coordinator – Graduate Student Association-Textile & Apparel Management, University of Missouri (2012-2013)
- Sustainability Chair – Apparel & Textiles Graduate Student Organization, Kansas State University (2011-2012)

COMMUNITY SERVICE

- Instructed Apparel Supply Chain Workshop for Mizzou Adventures in Education, University of Missouri (2014)
- Developed and instructed accessory crafting workshop, Travels of T-shirt, for 2013 State 4H Fashion Revue, University of Missouri (2013-2014)
- Judge for *2013 State 4H Fashion Revue competition*, University of Missouri (2013).
- Judge for *2012 Eco-Fashion Design Competition & Fashion Show*, Hugh Stephen's Library, Stephen's College (2013).
- Presented apparel design lecture for 4-H fashion design workshop (2012)

SKILLS

DESIGN/ PRODUCT DEVELOPMENT

- Apparel construction: Patternmaking, Draping, Industrial/home machine sewing
- Presentation technique: Fashion illustration, Flat development, Presentation board for line development, Trend analysis, Garment spec development (non-digital/digital media)
- Surface design: Digital textile printing (applying engineered prints), Chinese traditional embroidery (Su Xiu), Natural dye and physical resist dyeing techniques (Shibori)

CAD PROGRAM

- Apparel 2D/3D CAD/CAM: OptiTex
- 3D CAD: Rhino, 3ds Max & Google Sketchup
- 2D CAD: Adobe Illustrator, Photoshop & InDesign

EQUIPMENT

- TC² (3D body scanning system)