

LISA ANN CHRISTMAN, Ph.D.

Education:

Doctor of Philosophy, 1987. Oklahoma State University, Stillwater, OK. Major: Clothing, Textile Science, and Merchandising. Area of Specialization: Functional Design of Apparel. Minors: Statistics, Physiology, and Social Psychology.

Master of Science, 1985. Illinois State University, Normal, IL. Major: Clothing and Textile Science.

Bachelor of Science, 1982. Eastern Illinois University, Charleston, IL. Major: Fashion Merchandising. Minor: Business Administration.

Work Experience:

President and Owner, Wild Ginger Software, Inc., 1995-present. Create, develop, program, and support apparel pattern software for home, educational, and professional use. Wild Ginger Software is now the world's largest custom sized sewing pattern software company.

Associate Professor, Auburn University, 1987-1996. Taught classes in apparel design, pattern making, garment construction, and apparel production. Conducted research in apparel production, physiology, functional design of apparel, and textile science. Awarded tenure and promotion to Associate Professor Spring 1992.

Owner, Aegis Design Group, 1991-1996. Provided consulting on fashion design, apparel production, and protective clothing development; designed and constructed custom bridal gowns.

Owner, Ski-Basics, Inc., 1986-1990. Responsible for line development, pattern making and grading for production of snow ski apparel.

Significant Honors and Awards:

Awarded College of Applied Science and Technology Distinguished Alumni Award and inducted into Hall of Fame, Illinois State University. This award recognizes outstanding contributions to the profession (2013).

Awarded College of Human Environmental Sciences Alumni Association, Oklahoma State University, Young Leader Award. This award recognizes outstanding contribution to the profession of alumni ages 35 and younger (1994).

Awarded Director's Partnership Award for Barrier Systems Team, National Textile Center Forum (Winter 1993).

Awarded NASA Space Flight Experiment to fly experimental materials on board STS 46 (July 1992).

Fellow, American Society for Engineering Education and Office of Naval Research, 1 of 8 fellows selected nationally to conduct research in physiology and protective clothing at the Naval Health Research Center in San Diego, CA (Summer 1991).

Participated in Aviation Physiology and Flight Survival Training conducted by the Naval Air Station Miramar, San Diego, CA. This training is required of all U.S. Naval Aviators and I was the only civilian invited to attend (all flight physical and training expenses covered by the U.S. Navy) (Summer 1991).

Phi Beta Delta Honor Society for International Scholars (1990-present).

Fellow, Textile/Clothing Technology Corporation (TC²), Raleigh, NC, 1 of 4 individuals selected nationally to participate in the first faculty fellowship program. TC² is a unique government/industry

sponsored agency whose mission is to increase the competitiveness of the U.S. textile and apparel industry and assist educators to better prepare students for the workforce (Summer 1989).

Selected International Journal Publications:

Bellingar, T., Shanley (Christman), L., Slaten, L. & Brady, P. (1995). Use of carbonaceous fiber in wildland firefighter protective clothing. Safety and Protective Fabrics March/April.

Pascoe, D., Purohit, R., Shanley (Christman), L., & Herrick, R. (1994). Pre and post operative thermographic evaluation of carpal tunnel syndrome. E.F. Ring (ed.). 6th European Congress on Thermology.

Slaten, L., Shanley (Christman), L., & Bellingar, T. (1994). Evaluation of high performance materials for military end uses. Journal of Testing and Evaluation, 22(6), 577-580.

Shanley (Christman), L., Slaten, L., Shanley (Christman), P., Broughton, R., Hall, D., & Baginski, M. (1994). Thermal Protective Performance Evaluation of Novel Insulation Products. Journal of Fire Sciences, 12(3), 238-245.

Pascoe, D.D., Shanley (Christman), L.A., Smith, E.W. Clothing and Exercise Part I: Biophysics of Heat Transfer between the Individual, Clothing, and Environment. In Press. Journal of Sports Medicine.

Broughton, R., Hall, D., Brady, P., Shanley (Christman), L., & Slaten, L. (1993). The Use of a New Carbonaceous Fiber in Thermal Insulative Battings. INDA Journal of Nonwovens Research, 5 (4), 38-42.

Shanley (Christman) L., Slaten, L., & Shanley, P. (1993). Protective Clothing: Implications for Clothing and Textiles Curriculum and Research. Clothing and Textile Research Journal, 11(3), 55-59.

Baginski, M., Broughton, R., Hall, D., & Christman, L. (1990). Experimental and numerical characterization of the radio frequency drying of textile materials (II). Journal of Microwave Power and Electromagnetic Energy, 25(2), 104-113.

Christman, L. & Branson, D. (1990). Influence of Physical Disability, Dress, and Female Job Applicants on Interviewers. Clothing and Textiles Research Journal, 8(3), 51-57.

Other Professional Experience:

Member of the American Society for Testing and Materials committee D-13-66 on developing standards for the exchange of apparel pattern data (2000- present).

Participated in the development of standards for exchanging body scanning data for apparel pattern development.

Consultant to Helen Joseph Armstrong, Los Angeles, CA on the development of patterns for a college-level fashion design and pattern making textbook.

Consultant to Geomet Technologies, Germantown, MD on the conversion of patterns developed in AutoCad format to Microdynamics format.

Consultant to Orion Industries on the use of thermography in marketing of clothing products.

Consultant to Norsk Technoinstitut, Oslo, Norway on the development of insulated products.

Consultant to U.S. Geotextiles, Auburn, AL on the development of insulated products.

Consultant to U.S. Geotextiles and Bonlam, Inc., Columbia, S.C. on the set up of a factory to produce

disposable protective coveralls.

Consultant to Unitika, Inc., Japanese textile company on the development of collaborative research projects.

Consultant to JACEV, Boulder, CO on the development of advanced seaming technologies.

Consultant to Dow Chemical Co., Midland, MI on the development of insulated products and consumer textile research.

Professional Organizations

Member, International Textiles and Apparel Association since 1985.

Member, American Society for Testing and Materials since 2000.

Grants and Contracts

Shanley (Christman), L., Anderson, L.J., & Milenkovic, V. Part Layout and Part Optimization. Awarded by the National Textile Center. \$231,938. 1994-1997.

Slaten, L., Shanley (Christman), L., Kim, J., Presley, A., Mills, G., Shanley, P. Transport Phenomena in Comfortable Passive and Active Barrier Textile Systems. Awarded by the National Textile Center. \$170,000. 1995-1998.

Shanley (Christman), L., Slaten, L., Shanley, P., & Pascoe, D. Development and Evaluation of Garment Prototypes Utilizing Newly Developed Barrier Materials. Awarded by the National Textile Center. Joint project with North Carolina State University and Georgia Institute of Technology. \$366,000. 1992-1995.

Adanur, S., Jang, B., & Shanley (Christman), L. Manufacture of Textile Preforms by Fabric Laminae. Awarded by the National Textile Center. \$51,672. 1993-1994.

Shanley (Christman), L. Technology and Competitiveness: An Assessment of Alabama Small Apparel and Textile Producers in Rural Communities. Awarded by the Alabama Agricultural Experiment Station. 1992-1997. \$11,800.

Shanley(Christman), L., Slaten, L., Broughton, R., Hall, D., Baginski, M, & Shanley, P. Aircrew Personal Protective Clothing for Use in Extreme Cold Weather. Awarded by the Department of Defense, Naval Air Development Center, Warminster, PA. \$116,288. 1991-1992.