

Frances Holmes Kozen

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Education

Cornell University	Design & Environmental Analysis	M.S.	1977
Cornell University	Design & Environmental Analysis	B.S.	1972

Teaching Experience

Cornell University, Fiber Science & Apparel Design

Success in FSAD, 2019

Product Quality Assessment 1998, 2009, 2010, 2012, 2013, 2016, 2017, 2018, 2020

Apparel, Textiles, and Innovation 2012, 2017, 2018

Structural Fabric Design 2008, 2017, 2018

Global Fashion Management 2010, 2011

Apparel Production and Management 2011

Fibers, Fabrics, and Finishes 2009

Designers as Entrepreneurs with Loker, 1998

Textiles for Interiors 1986 (both semesters), 1987, 1988, 1989, 1990

Oregon State University, Apparel, Interiors, & Housing Department,
Design of Protective Clothing, Summer 1978

Other Instructional Activities:

- Arranged and led Fiber Science & Apparel Design Study Tour to New York, 2004-2019
- Helped Plan and chaperoned Fiber Science & Apparel Design China Study Tour 2019
- Chaperoned Fiber Science and Apparel Design India Study Tour, 2011, 2018, 2020
- Advise FSAD undergraduates on coursework, study abroad, internships and jobs, as well as potential FSAD minors on requirements and potential applicants to FSAD
- Advisor for Careers in Fashion Industry Network student organization, 2018-19 and 2019-20
- Inaugurated e-News weekly newsletter for undergraduates, 2019
- Advised three Master's student groups in Biomedical Engineering on textile materials for their projects
- Collaborated with e-Cornell and Tasha Lewis to offer course in Fashion, 2019
- Mentored graduate student to develop and offer 4-H Career Exploration program 2019

Administrative

- Director of Undergraduate Studies, FSAD, July 2018 to present
- Associate Director, Cornell Institute of Fashion and Fiber Innovations, 2014 to present
- College Extension Leader for FSAD, 2015 to present
- Chaired search committees to fill two Visiting Lecturer positions, 2019
- Issued first FSAD alumni newsletter, 2019
- Revised procedures and documents related to Internship Independent Study credit, Study Abroad, FSAD curricula for majors and minors, FSAD descriptions for CHE admissions.
- Mentored visiting lecturer, faculty writing testing contracts to work with industry, and faculty and graduate students seeking industry contacts.

Research

- Project Director for Style Engineers [Smart Girls, Smart Clothing: Engineering via Apparel Design, NSF ITEST], Susan Ashdown & Charlotte Coffman, 2012-2016
- Pesticide Protective Coverall, (2006), Susan Ashdown, Cornell, Fiber Science and Apparel Design
- Green Composites, (2006), Anil Netravali, Cornell, Fiber Science and Apparel Design

- Coal Miner Uniforms (1976), Firefighter Turnout Gear (1977), Susan Watkins, Cornell, Design & Environmental Analysis
- Soil and Detergency, (1975- 1976), Mary Purchase, Cornell, Design & Environmental Analysis

Industry Outreach

Cornell Institute for Fashion and Fiber Innovation (CIFFI) 2013- present

- Communicate with industry and alumni
- Organize Roundtable Meetings and Symposia
- Connect industry with faculty for research
- College Extension Leader for Fiber Science & Apparel Design

Extension Associate, Apparel Industry Outreach, 1993-2005

- Surveyed apparel industry in New York State to define scope, location, and needs for Cornell outreach support,
- Compiled and maintained database of apparel manufacturers in New York State.
- Created apparel industry resources, including entrepreneurship website, fact sheets, and newsletters
- Conducted workshops for the apparel industry on new technologies and entrepreneurship.
- Participated in Entrepreneurship and Family Business Project Work team, CCE, and Cornell Industry Relations group.
- Participated in drafting proposal for multi-institutional Upper Manhattan Empowerment Zone apparel manufacturing incubator as member of Consortium for Apparel Research, Education, and Training (C.A.R.E.T.)

Cooperative Extension Outreach

- Developed and tested curricula for web-based science exploration activities 2013-2015
- Taught 4-H informal science programs on blue jeans (2019), clothing repurposing (2011), fabric dyeing (2011), digital imaging (2005), CAD for home patternmaking (2004), Fabric Flight Connection (1991)
- Make Career Day presentations to area middle school students on apparel and textiles
- Taught textile and CAD programs to Cornell Cooperative Extension agents in counties and on-campus
- Contributed textile and apparel articles routinely to department newsletters directed to Cornell Cooperative Extension agents and to apparel industry professionals in New York

Grants

- Engaged Opportunity pilot project, *Course of Trade: A Pilot-testing of Student Engagement in Developing the Future Apparel Workforce* in NYC, with Fatma Baytar and Tasha Lewis and alumna Libby Mattern, 2018.
- Innovative Technology Experiences for Students and Teachers (NSF ITEST) Smart Clothing, Smart Girls: Engineering via Apparel Design, 2011 (awarded), Ashdown, Coffman, and Dunne.
- Innovative Technology Experiences for Students and Teachers (NSF ITEST), Visual Digital Data and Its Applications, 2004, Loker, Coffman, Tolomeo. (denied)
- Informal Science Education (NSF ISE), Teaching Anthropometry Using a 3-D Body Scanner, 2003, Loker, Coffman, Ashdown. (denied)
- *Apparel Industry Outreach Program*, Federal Formula Hatch Funds, Loker and Kozen, 1999.
- New York State 4-H Foundation, *Key Clothing Volunteer Leader*, 1997, Coffman and Kozen
- New York State 4-H Foundation, *Building Computer Skills and Career Awareness through the 4-H Clothing and Master Sewer Programs*, 1996, Coffman and Kozen
- Cornell Cooperative Extension, Statewide Program Committee, *Building a Framework for Outreach Programs Designed to Address the Economic Vitality of the Apparel Industry in New York*, 1996, Kozen, Coffman, Gasser.

Publications

Kozen, F.H., and A. Netravali (2015). "Cellulosic Fibers from Plants." In *Sustainable Composites and Advanced Materials*, Netravali and Pastore (Eds.), DEStech Publications, Lancaster, PA.

Dunne, L., K. Morris, J. Reich, H. Ramaswamy, S. Ashdown, F. Kozen, C. Coffman (2015). "Fashion Meets Space Travel: Engaging Girls in STEM Through Functional Apparel Design." *Proceedings of the International Conference on Environmental Systems*. Seattle, WA.

Morris, K., C. Coffman, F. Kozen, K. Dao, D. Green, S. Ashdown, L. Dunne, J. Reich (2015). "Sketching as a Tool to Measure Concept Application in an Informal Learning Environment." International Textile and Apparel Association Conference Poster Presentation.

Morris, K., S. Ashdown, C. Coffman, F. Kozen, K. Dao, D. Green, L. Dunne, J. Reich (2015). "Exploring Naïve Spatial Understanding in Patternmaking." International Textile and Apparel Association Conference Poster Presentation.

Dunne, L. H. Ramaswamy, J. Reich, S. Ashdown, C. Coffman, F. Kozen, K. Morris, S. Ruehlow (2014). "Smart Clothing Smart Girls: Teaching Spatial Manipulation through Garment Patterns." International Textile and Apparel Association Conference Presentation

Ramaswamy, H., L. Dunne, J. Reich, S. Ashdown, C. Coffman, F. Kozen, K. Morris, S. Ruehlow (2014). "Smart Clothing Smart Girls: Teaching Wearable Electronics." International Textile and Apparel Association Conference Presentation.

Kozen, F.H. and S. Loker (2000). "Computer-Aided Design and Manufacturing: Is It for You?" Cornell Cooperative Extension.

Kozen, F.H. (1999). Fiber Facts. Cornell Cooperative Extension.

Kozen, F.H. and S. Loker (1998). "Building an Apparel Industry Outreach Program at Cornell," International Textile and Apparel Association Conference.

Graduate Work

Advisors: Earl Peters, Design and Environmental Analysis (textiles)

Samuel Craig, Johnson Graduate School of Management (marketing)

Thesis: *Comfort of Textured Woven Polyester Pants: The Effect of a Commercial Hydrophilic Finish*

INDUSTRY EXPERIENCE

Manager, Market Research, Hertz Corporation, 1983 - 1985

- Designed and commissioned quantitative and qualitative primary research to direct advertising and marketing efforts, measure advertising and promotional effectiveness, and monitor competitive activity.
- Delivered interpretative reports and oral presentations of research findings to marketing and advertising executives.

Consultant, Market Planning Department, McCall Pattern Co., 1982

- Planned and supervised retail observational audit. Analyzed market trends and internal sales performance using consumer purchase panel data and internal sales data.

Senior Market Research Analyst, The Wool Bureau, Inc., 1979 - 1981

- Planned primary market research studies for the apparel and home furnishing markets, including market definition, consumer attitudes, advertising tracking, concept testing, and product wear trials.
- Analyzed market trends using consumer purchase panel and industry and government sales data.

- Hired and supervised outside market research firms.
- Made presentations to fashion and home furnishings firms and major retailers.

Market Research Analyst, Levi Strauss and Co., 1978

- Designed and managed advertising tracking studies, retailer attitude surveys, target market analyses, product name testing, and consumer perception studies for multiple products, but especially for the launch of a casual men's sportswear line, David Hunter.
- Monitored competitive activity and consumer purchases