Welcome

The FSAD students are finishing the semester in a flurry of activity, and many depart shortly for internships and jobs, many hired by alumni. This year there are many student summer research positions right here in the department, indicating that faculty and graduate students plan a busy summer. Several CIFFI-sponsored research projects are underway, with more in the planning stages. Keep reading for more about CIFFI and FSAD.

Highlights

CIFFI Fellows Work to Design Better Protective Garments for Ebola Workers

Professors Huiju Park and Jintu Fan will lead a Cornell effort to design a new generation of protective garments for health care workers fighting Ebola, along with partners International Personnel Protection Inc. (IPP) and protective apparel manufacturer Kappler Inc. The team will develop improved protective suits intended to be more breathable, have a better hood design, have improved leak-free barrier protection, and be easier to remove than what is currently available. FSAD graduate student David Mengyun Shi will develop prototypes for a lightweight, effective cooling technology to prevent thermal discomfort and heat stroke.

Huiju Park will lead a Cornell effort to design a new generation of protective garments against Ebola.
Careers in the Fashion Industry (CIFI), a student organization led by Nicole Cember, FSAD ’15, organized a very successful Fashion Speaks Gala on April 18 for a sold out audience of 150. The Gala featured a panel of Cornell FSAD alumni from the classes of 2001 and 2002 who discussed their fashion industry experiences, the influence of Cornell on their careers, and potential careers and internships in the fashion industry. Speakers were Lily Gunn Townsend, Vice President of Production at Michael Kors, Jamie Banks, Design Director of Ready to Wear and Childrenswear at Kate Spade, Meghan Kelley, Senior Design Manager at Under Armour, Julia Durgee, Digital Media Buyer at L.L. Bean, Christine Doyle Corr, Design Consultant formerly with Henri Bendel, and Amanda Teitler, Product Development Manager of Accessories at The Row. They were speaking in honor of Tina Passalaqua, an FSAD classmate recovering from a major illness.

![Image of people at an event]

**CIFFI Activities**

**Campus Symposium Symposium May 18**

You may still register to attend the CIFFI Spring Symposium, Advances in Fiber Science and Performance Apparel, on campus May 18. Check the [agenda](#) here. Send us an [email](#) if you find you wish to attend at the last minute. We hope to see you there.

**New Members**

CIFFI welcomes the following new members:

- Jon A. Levine, CEO of Apparel Advisors, a California consulting firm
- Ian A. Bruce, President, Xero°Gear, Maine
- Ronald F. Koniz, Vice President Business Development, Globe Composite Solutions, Massachusetts
CIFFI Faculty Fellow Accomplishments

Park Honored by International Textile and Apparel Association
The International Textile and Apparel Association (ITAA), the Global Organization of Textile and Apparel Scholars, has awarded Professor Huiju Park the Rising Star Award, given to a junior faculty member who demonstrates outstanding research, teaching, and creative scholarship. The committee was impressed by his many accomplishments within just a few years. They include 21 co-authored peer-reviewed research papers, 20 referred presentations at international conferences, and two patents for smart clothing and footwear. He has been either the principal investigator or a major collaborator in securing $3.1 million in funding including research grants from the Department Energy, the National Institute for Food and Agriculture, and the Environmental Protection Agency.”

Professor Park was also featured in the Cornell Daily Sun recently, explaining the evolution of his interest in “designing clothes means more than creating appealing garments — it means creating “smart clothing” that incorporates technology to solve larger problems.”

Green Receives Research Funding
Professor Denise Green was awarded a Franklin Research Grant in from the American Philosophical Society (APS) for “Illustrations of Consequence in the Alberni Valley, British Columbia, Canada: An investigation of drawings produced in 1914 by Douglas Thomas of the Tseshat First Nation and their impact on cultural and ceremonial life in 2015.” This continues her interest in images and textiles in among the indigenous people in British Columbia.

Hinestroza on Nanotechnology
Professor Juan Hinestroza gave a keynote lecture “Teaching Cotton New Tricks via Manipulation of Nanoscale Phenomena” at the 2nd International Conference on Natural Fibers in April 2015. Professor Hinestroza’s research group, the Textiles Nanotechnology Laboratory explores the interactions between textile science and nanoscience. An enormous image provided by Professor Hinestroza of nanoparticles on the surface of cellulosic fibers was one of the Illuminating Images of scientific discovery displayed at Barton Hall for the Cornell Charter Day Big Red Birthday Bash. Further, Professor Hinestroza was quoted on VoxEurop regarding the potential environmental advantages of nanotechnology on textiles:

“Nanotechnology offers a wide range of possible functions that can be derived from a minimum amount of green material.”
FSAD Department News

New Equipment
The FSAD department has just purchased a SiroFAST™ System, to add another tool to research capabilities. FAST is an integrated test equipment and software system designed to calculate fabric performance via a series of simple, objective tests of compression, extension, bending and stability. The data informs decisions regarding fabric selection for end uses as well as fabric finishing. The system has been installed and members of the department trained to use it this week.

Cornell Costume and Textile Collection
Denise Green organized a Cornell Costume and Textile collection exhibit in connection with the Cornell Sesquicentennial celebration, “150 Years of Cornell Student Fashion,” currently displayed in the Human Ecology Building. The exhibit features garments worn by Cornell students dating back to 1865 along with supporting Cornell memorabilia. Student curators included graduate students Catherine Blumenkamp and Jiangxia Qin, as well as undergraduates Daniela Cueva, Rachel Jun, Lily Li. Professor Green also created a short video about the exhibit, which can be seen as the first 8.5 minutes of the Cornell Fashion Collective Runway Show on CornellCast. Background on the student curators and the Cornellians who wore the included garments is featured in Stitches in Time, pages 22-29 of the Human Ecology Magazine, Spring 2015.

You can now follow the Cornell Costume and Textile Collection on Facebook, or read fascinating student blogs about their work in the collection at Cornell Costume blog.
Cornell Fashion Collective 31st Annual Runway Show

The Cornell Fashion Collective, a student organization headed this year by Megan Rodrigues, and advised by Professors Anita Racine and Van Dyk Lewis, presented their 31st Annual Runway Show April 11, 2015. You can watch the entire show on CornellCast. There was lots of related press coverage for those who want more details. The Cornell News Service article focused on preparation for the show, while the Cornell Daily Sun profiled all of the senior designers in advance:

- **Blake Uretsky** created women’s ready to wear collection inspired by vintage skiwear.
- **Laura Zwanziger** designed knitwear for diverse body types.
- **Ellen Pyne**, aspiring costume designer, envisioned Snow White.
- **Brandon Wen** experimented with garment art focused on plus-sized women.
- **Paige Kozak** produced a line of casual 70’s-influenced women’s clothing.
- **Toi Bly** focused on garments evoking powerful femininity.
- **Tiffany Dang** featured subtle, sophisticated women’s clothing inspired by the atmosphere within 19th and 20th century coffee houses.

“Irradiance”, a collection incorporating fiber optics and electroluminescent tape designed by Eric Beaudette’16, Lina Sanchez Botero, FSAD graduate student, and Neal Reynolds, physics graduate student, attracted considerable attention. Their designs were also featured on Discovery News, and they presented their garments at the Cornell Charter Day Birthday Bash. The trio worked with Architects of Intelligent Application, a division of Myant & Co., on use of electroluminescent tape, and with Sensing Tex on use of fiber optics.

The 28th Annual Cornell Fashion Collective (CFC) Runway Show.
Nixon Distinguished Speaker
Nathalie Doucet, President & Founder, Arts of Fashion Foundation, gave the Nixon Distinguished Speaker lecture Tuesday, April 21, 2015, “Why and How Raf Simons,” presenting Raf Simons and his career path to become head of the legendary design house Dior. She screened the film Dior and I, a documentary about the creation of Raf Simmons’ first collection for Dior, following her lecture.

FSAD Student Accomplishments

Trejo Upcycling Clothing Video Wins Prize
Apparel Design graduate student Helen Trejo was awarded 1st Prize in the Cornell Atkinson Center for a Sustainable Future 2014 Graduate Student Sustainability Video Contest with her video entitled, “Upcycling Second-Hand Clothing at Cornell University.”

Newell Nominated for Sustainability Award
Autumn Newell, MA ’15, focused on reduction of textile waste for her graduate research. One of her initiative was to collect textile waste within the FSAD department and donate it for reuse or for shredding for repurposing as insulation and packing. The 130 pounds of textile she collected last year earned her a nomination for a Cornell Partners in Sustainability award.

Beaudette Honored for Research Paper
Undergraduate Student, Eric Beaudette, FSAD ’16, will be recognized at the International Textiles and Apparel Association Conference in November for his paper entitled, “Thermal Comfort Evaluation of Seam, Types in Athletic Bodywear,” based on his original research. Huiju Park is Eric’s faculty advisor.

Donelan Envisions Musical Shirt
Caroline Donelan, FSAD ’16, was a finalist in the Big Idea Competition at the Cornell Entrepreneurship Conference with a concept for a smart-shirt with heart rate sensors in the material synced to the wearer’s music library. The shirt would select music according to the person’s rate of activity.

Innovative Student Solutions
Juan Hinestroza’s Textiles, Apparel and Innovation class challenges teams of students to solve real-world problems using textiles and design. Read about the proposed protective gloves for Ebola workers as well as several aids for sufferers of various diseases affecting physical mobility, dexterity, and comfort at Cornell Chronical.
Fiber Science and Apparel Design Alumni News

Watkins and Dunne Functional Clothing Text Published
Professor Emeritus Susan M. Watkins, apparel design, and Lucy E. Dunne, FSAD ’02, now an Assistant Professor at University of Minnesota, recently published Functional Clothing Design: From Sportswear to Spacesuits with Bloomsbury Press. The book is a technical design text addressing clothing as protection from thermal, impact, and other environmental hazards, examines clothing design for movement, safety issue such as visibility, enhanced body functions via design or the addition of smart clothing technologies.

Nastos Brothers Provide E-Commerce Assistance
Brothers Matt (FSAD ’09) and Lexi Nastos (FSAD ’12) are two thirds of the founders of Maison MRKT, a digital agency that helps creative firms maximize the potential of contemporary e-commerce. They were profiled in the New York Times in April.

New Entrepreneurs Lauded
Human Ecology Magazine, Spring 2015 lauds Max Gengos, ’10, Founder and Creative director of MAX GEN-GOS, LLC, and CIFFI member Allie Thielens’11, Founder and Design Director at Ninox for their start-up apparel firms.