

## FACULTY & POSTDOC AWARDS

### MATERIALS SCIENCE AND ENGINEERING (MSE)

**Professor Xinqiao Jia** has received a total of \$4.85 million from the National Institutes of Health (NIH) for research aimed at improving human health through new methods of tissue engineering. Jia and her colleagues will explore ways to regenerate salivary glands damaged by radiotherapy for head and neck cancer. In addition, she will focus on understanding the causes of damage or scars to the vocal cords, which are the flexible tissues that enable us to speak.

**Professor LaShanda Korley** has received the Gerry Lessells Award from the American Institute of Chemical Engineers.

### CHEMICAL & BIOMOLECULAR ENGINEERING

**Professor Arthi Jayaraman** has been honored by three professional associations this year. She has been named a fellow of the American Physical Society, a deputy editor of a new journal for the American Chemical Society, and she received the 2021 Impact Award from the American Society of Chemical Engineers.

### BIOMEDICAL ENGINEERING

**Professor Sarah Rooney** has received a five-year NIH R25 grant to support the design of a new undergraduate course.

### ELECTRICAL AND COMPUTER ENGINEERING

**Professor Swati Singh** has received an NSF CAREER Award to explore new methods for studying dark matter and dark energy.

**Professor Tingyi Gu** has received a DARPA Young Faculty Award to further her research on nanophotonics and silicon photonics to improve digital communications.

## PROFESSIONAL LEADER



LIYUN WANG

*Department of  
Mechanical Engineering*

Dr. Wang was elected as the 2021 Fellow of the American Society for Bone and Mineral Research (ASBMR). She has been a UD instructor since 2005. Her research focuses on musculoskeletal biomechanics and mechanobiology. For Dr. Wang, this is a great opportunity to lead the scientific and medical associations and bring together clinical and experimental scientists involved in bone and mineral metabolism research.

### CIVIL & ENVIRONMENTAL ENGINEERING

Postdoctoral scholar **Danhui Xin** won awards for solving mysteries around pollution-reducing technology. Pyrogenic carbon is a material produced by burning biomass in the presence of limited oxygen. It is now used in various environmental issues, including the removal of nitrogen and pathogenic microorganisms from water. Xin's research is helping scientists understand the reasons behind the effectiveness of pyrogenic carbon as an environmental scavenger. So far, her innovative research has won three national student research awards. Xin will complete her PhD this year and seek a postdoctoral research position at the university.

BME



Emily Lambeth



Jamie Benson

CBE



Sam Cassel



Yagya Gupta

CEE



Kenza Soufiane



Maryam Shaygan

CIS



Mehak Gupta

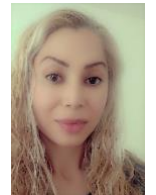


Mina Samizadeh

ECE



Lorry Chang  
(Co-Chair)



Parinaz Barakhshan

ME



Kleio Baxevani  
(Chair)



Kayla Pariser

MSEG



Jessica Thomas



Vidhika Damani

The mission of WIE is to **promote, mentor, and enable participation of women students and faculty in engineering studies and in the workplace at the University of Delaware.**

## RECENT WIE EVENTS

### Ice Cream Social

The annual WIE Ice Cream Social Event, held in front of Dupont Hall, helped build community among COE graduate students, postdocs, and faculty. It was especially nice to gather in person after a year of mostly virtual events.



Organized by  
Emily Lambeth  
and  
Sam Cassel  
(16 July)

### Title IX and Academic Bullying

WIE invited Associate Dean Dr. Jill Higginson to discuss common forms of academic bullying in graduate research and education. Participants had the opportunity to share their own experiences with academic bullying and learned about resources on campus available to help.

Organized by Vidhika Damani and  
Yagya Gupta (18 Nov)

### Welcome Coffee Hour

Graduate students and faculty gathered to enjoy coffee, lemonade, and desserts on a comfortable afternoon.



Organized  
by Maryam  
Shaygan  
and Kenza  
Soufiane  
(23 Sept)

## WIE FACULTY ADVISORS



**Heather Doty**  
Mechanical Engineering  
(hdoty@udel.edu)



**Cathy Fromen**  
Chemical & Biomolecular  
Engineering  
(cfromen@udel.edu)

## WIE OUTREACH

### SERVIAM GIRLS ACADEMY

For the fourth consecutive year, to give back to our community, WIE organized an educational outreach program at the Serviam Girls Academy in Wilmington. During the program, our committee members introduced Serviam girls to engineering disciplines and led fun, hands-on, engineering-inspired activities.



## COE GRADUATE STUDENT AWARDS

### COMPUTER AND INFORMATION SCIENCES (CIS)

**Mina Samizadeh** won a computer and information sciences distinguished graduate student award.

**Kara Pelster** won a center for composite materials outstanding senior award.

### ELECTRICAL AND COMPUTER ENGINEERING (ECE)

**Sabrina Rosenthal** received the department of electrical and computer engineering Chairperson's Award.

**Sarah Jane Jensen** received the ECE department's nanoelectronics, electromagnetics & photonics graduate faculty award.

### BIOMEDICAL ENGINEERING (BME)

**Ellen Bloom** was awarded an NIH F31 fellowship.

**Brea Chernoksal** was awarded an NSF GRFP.

**Emily Lambeth** was awarded an NSF GRFP.

### MATERIAL SCIENCE & ENGINEERING (MSE)

**Sai Patkar** won an award for her oral presentations at F21MRS.

### MECHANICAL ENGINEERING (ME)

**Elahe Gangi** (recent alum and former WIE chair) earned a prestigious Beckman Institute Postdoctoral Fellowship.