

WOMEN *in* ENGINEERING

UNIVERSITY OF DELAWARE College of Engineering

WIE's goal is to promote, mentor, and enable participation of women students and faculty in engineering studies and in the workplace. In this direction the Program sponsors interaction and mentoring among the women undergraduate students, graduate students, and faculty within the College as well as with external representatives from industry, government agencies, and other academic institutions.

The program promotes education and interaction among the women and men students, faculty, and administrators, with the goal of promoting a healthy institutional climate for all members of the engineering community at UD.

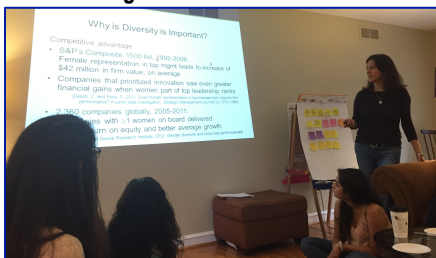
WIE Activities this Semester

Welcome Pizza Lunch



Our annual Women in Engineering Welcome Pizza Lunch this semester had record attendance with almost 80 women representing all 7 engineering departments. The turnout had us scrambling to bring in extra chairs but it marked the beginning of a semester of excellent attendance to WIE events.

WIE Steering Committee Retreat



Members of the steering committee met at Dr. Davidson's house to refocus on why what we are doing matters and to brainstorm ways to make WIE events better and more effective than ever. Ideas included offering more interactive workshops on issues related to WIE. Everyone left the event reenergized and excited to serve as your Steering Committee.

WIE Faculty Advisors



Rachael Davidson
Interim Associate Dean;
Professor, Civil and
Environmental Engineering



Heather Doty
Assistant Professor,
Mechanical
Engineering



Pam Cook
Unidel Professor of
Mathematics, Associate
Dean of Engineering

Talking 9-5



Dr. Davidson led a wonderful workshop based on the book "Talking 9-5" by Deborah Tannen. Participants learned about differences in how men and women typically communicate. Lively discussion followed about personal experiences and ways to get past these communication differences.

Meet your Faculty Lunch



Dr. Stephanie Law (MSEG) and Dr. Emily Day (BME) met with students over lunch for an informal discussion. Both women are early in their careers and relatively new to UD. They told students how they got into academia and shared stories about setting up their labs. Students in attendance responded really well to the passion and energy Dr. Law and Dr. Day brought to the event.

E-textiles Workshop



The NCWIT student seed fund and CIS Department at UD funded the CISTers and BiSA organizations to support an E-textiles Workshop. Graduate and Undergrad students from various Majors, including Fashion Design, Mechanical Engineering, Mechanical Engineering, Computer Science, Electrical Engineering, and Bioinformatics, learned about LilyPad technology, introduction to programming, Arduino main board, and how to combine electronics with fabrics to create a plush teddy/pillow.

WIE Upcoming Events

2nd Wine Tasting Night, Dec. 18th – 7pm

Due to its success last semester WIE will be hosting another "Women in STEM Wine Tasting Night" at the Speakeasy. All women in STEM graduate level and above are welcome to join us. This year tickets will be available online as well as through your WIE representatives.

Dr. Judy Singer, February 22nd A talk at 4:00pm with a reception to follow. Dr. Singer is a world-renowned statistician and the Senior Vice Provost for Faculty Development and Diversity at Harvard University.

Implicit Bias Brown Bag Lunch Date TBD
Career Panel Date TBD

Keep checking your e-mails for information on upcoming WIE events!

Keep you Up to date with WIE News and Events, find us in



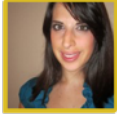
& In our Web Site:

<http://sites.udel.edu/wie/>

WIE Graduate Steering Committee



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Chemical & Biomolecular Engineering

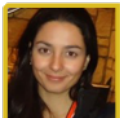


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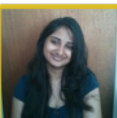


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Materials Sciences & Engineering

Spotlight on Women in History

200th Anniversary of Ada Lovelace

This year is the 200th Anniversary of Ada Countess of Lovelace (1815-1852), best known for the remarkable article about Charles Babbage's unbuilt computer, the *Analytical Engine*.



In the article, Lovelace presented the first documented computer program to calculate the Bernoulli numbers, and presented the ideas underlying Babbage's machine (the first general-purpose computer). Her contributions influenced every one of the computers and computer programs used today. Lovelace's contribution was also highlighted in one of Alan Turing's most famous papers 'Can a machine think?'. For more information about Lovelace's work visit:

<http://blogs.bodleian.ox.ac.uk/adalovelace/about-ada-lovelace/>

New CIS Female Faculty

Dr. Sunita Chandrasekaran received her PhD in Computer Science Engineering from Nanyang Technological University in Singapore and completed a Post Doc at the University of Huston. Her research focus includes programming models for heterogeneous systems and testing for emerging high-level, directive-based programming models.



Dr. Lena Mashayekhy earned a PhD in Computer Science from Wayne State University. Her research interests include Big Data and Cloud Computing, Distributed Systems, Parallel Algorithms, Game Theory, and Optimization.

Both professors joined the University of Delaware this fall and are currently looking for students to join their groups.

Awards & Scholarships

Mechanical Engineering

Prof. Dustyn Roberts – ASME award for research in robotics

Diana Haidar – Graduate Teaching Award

Ana Ebrahimi – Graduate Achievement Award

Civil & Environmental Engineering

Prof. Sue McNeil – elected a distinguished member of the American Society of Civil Engineers

Computer & Information Sciences

Boyu Zhang – Lauri Pfeffer Shinn Memorial Award

Irene Manotas – Graduate Fellow Competitive Award from Graduate Office of University of Delaware

Electrical & Computer Engineering

Prof. Hui Fang – promoted to Associate Professor

Victoria Carey – IEEE Women in Engineering Award

Angela Cuadros – ECE Research Day Outstanding Project Award in SPC

Hoda Aghaei Khouzani – the CSN Outstanding Student Award

Elpinki Apostolaki (and team) – third place in the Hen Hatch Startup Funding Competition at UD with their business idea 'Go Happy'.

Elpinki Apostolaki – Grace Hopper Conference Award to attend GHC'15.

Recent Graduates

Biomedical Engineering

Keely Heintz – 2015 Laird Fellowship

Rachel Edelstein – 2015 NSF GRFP

Honorable Mention

Jilian Melamed – 2015 NDSEG Fellowship

Rachel Gilbert – 2015 NSF GRFP

Honorable Mention

Andrea Lee – 2015 IGERT Fellowship

Materials Science and Engineering

Jing Qu – Outstanding Graduate Student

Service Award

Jessie Sun – ASM & MSEG Poster Award
(Soft Materials)

Qi An – Professional Development Award:
2015 20th Int'l Conf. on Composite
Materials

Mechanical Engineering

Jessica Harrington – MS

Hatice Sas – PhD

Computer and Information Sciences

Divya Chintada - MS

Sunita Dhankar - MS

Boyu Zhang – PhD

Eun Jun Park – PhD

Materials Science and Engineering

Leng, Chuyin – MS

Zhou, Xinran – PhD

Bhagwat, Nandita – PhD

Chen, Yinchao – PhD

Sun, Jessie – PhD

Chemical Engineering

Kathryn Whitaker – PhD

Bingzi Zhang – PhD

Elizabeth Mahoney – PhD

Electrical and Computer Engineering

Shuyu Yang – PhD

Luisa Polania Cabrera – PhD

Sha Li – PhD

Resources

Applications for scholarships and grants

New WIE International Travel Grant Program

For IEEE WIE Members to attend conferences sponsored by IEEE.

wie-grants@ieee.org

CRA Grad Cohort Workshop

Applications open for the Computing Research Association Grad Cohort. Female Students in their first, second or third graduate year can apply at:

<http://cra.org/cra-w/events/grad-cohort-workshop-2016/>