

SOCIETY OF WOMEN ENGINEERS

QUARTERLY NEWSLETTER

SUMMER 2018

LETTER FROM OUR PRESIDENT



For most universities, summer is a time for relaxing, building resumes through internships, or saving some extra cash at summer jobs. At Drexel, most of us are still in classes, on co-op, or conducting research through the STAR program! We work hard year-round. Drexel SWE had a productive term as we prepared for the new academic year and the many incoming freshmen. We spent our term updating our bylaws to align with the recent governance changes, working on transition documents, and planning all of the incredible events we will be having in the Fall!

While Drexel puts an emphasis on working hard and how ambition can't wait, I think it's incredibly important to

take a break once in a while and unwind. Our events this term provided plenty of opportunities to relax and destress. We had our annual Ice Cream Picnic where members got to chat about their summers over delicious ice cream sandwiches. We also went hiking at Valley Forge National Park and enjoyed the beautiful scenery together. Alongside our relaxing events, we continued to have events that focused on improving ourselves and our community. We had two TechGirlz events this term with one of them being our first non-coding focused workshop! We also hosted the DELTA Diversity BBQ this year and invited seven other organizations to meet incoming freshmen as part of the DELTA program, enjoy great Caribbean food, and play fun games together.

Next term, we'll be hosting quite a few amazing events that will cater to all of the Drexel community! We will be having our first ever SWE dance party, SWEedie Hawkins! We will also be having an ExxonMobil Info Session in collaboration with NSBE, SHPE, and SASE. They're looking to recruit co-ops, so get your resumes ready! I am very excited for the great things to come next term and I can't wait to meet all of the young SWEeties coming to Drexel.

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GENERAL BODY MEETINGS

Our first event of the term was GBM 1, during which our members had the opportunity to learn about the different committees and the upcoming events for the quarter. In addition, we played Human Bingo, in which members got to know one another better while playing a fun game!

GBM 2 of the term had a great turnout and our members enjoyed mac and cheese while hearing about our upcoming events for the term. For an icebreaker, we played Who Did It?, in which members got to share interesting stories from their lives. Everyone had a lot of fun and we are looking forward to our GBMs next term!



FRIENDSHIP BRACELETS

Our third event of the term was DIY Friendship Bracelets. This event gave our members a chance to relax and spend time together while making friendship bracelets. Everyone had a lot of fun choosing patterns for their bracelets and catching up with other SWE members. We hope to do more events like this in the future!



ICE CREAM PICNIC

Our last event for the term, Ice Cream Picnic, was a collaboration with the Wellness committee. Members came together on Race Lawn to relax and catch up with one another while enjoying ice cream sandwiches. We all had a lot of fun and are looking forward to our Fall term events!



SWE SPIN

Our first event of this term, was right in the DAC where we tackled challenging hills and sprints during spin class. We had people from all experience level come out to try it and each person felt tired and sore afterwards (in the best way!). On our ride, we jammed out to some great tunes and were amazed at our instructor's ability to sing, talk, and ride at the same time! Everyone expressed an interest in doing more events like this one, so look out for those in the coming terms.

HIKING TRIP

Our last event of the quarter was week 8 at Valley Forge National Park in King of Prussia, PA. 5 of us trekked Mount Misery (exaggerated name) and Horseshoe Trails in the mid morning and enjoyed a semi-challenging elevation adventure! We saw lots of good doggos and even left our mark in the Horseshoe Trail Registry Book!





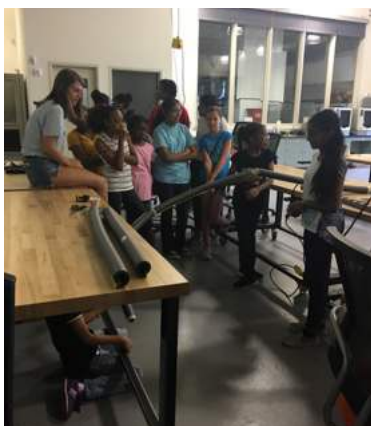
STEM SUMMER CAMP

The STEM Summer Camp is a weeklong event held by Drexel and Girls Inc. that teaches girls about different engineering concepts and fields. SWE had two days during the week in which we held a hands-on activity that taught about emulsions. Through a lesson on basic chemistry and by making lotion, students were able to learn how two compounds of varying polarities can form a homogeneous mixture when an emulsifier is introduced. The girls definitely learned a lot and enjoyed the ability to take home their homemade lotion!.

TECHGIRLZ

For our first TechGirlz event of the summer, we held a classic coding lesson for middle-school aged girls. This workshop was based on JavaScript, a very useful coding language. Students learned basic concepts of JavaScript, to talk directly to their website, and create their own JavaScript program. Many girls came into the workshop with no interest in coding, but left excited for their next workshop!

For our second TechGirlz event of the summer, we decided to mix things up by hosting a hands on/building event for the girls (grades 6-9). Our students got the opportunity to learn all there is about roller coasters - from the physics to the design aspects! They were able to create simulated roller coasters, and then build their own using pipe insulation. We also taught them the importance of the engineering design process, as they all were able to revise and plan their coasters. This event was a great way to kick off August and a fun way to introduce young female students to engineering!





SCIENCE AFTER HOURS

At the end of July, the Drexel SWE joined the Franklin Institute during their monthly event: Science After Hours. The theme of the July event was “Clue,” so our group played along with the theme. We taught guests about properties of organic compounds using fire, lemon juice, and paper. Guests were able to create their own secret messages using the lemon juice that could only be revealed under intense heat! This event was a great way to take a break in July and have a night of science and fun.

As the term came to a close, our final event of the summer was in Week 10 at the Franklin Institute where we showcased experiments with Liquid Nitrogen. This demo was exciting as we performed activities with Dragon's Breath, rubber objects and carnations! For many of the volunteers, this event was a great way to take a break from their preparations for the final examinations and share their passion for STEM..

MEMBER FEEDBACK

“My favorite SWE event is probably the workshop series for high schoolers. I have volunteered at a few of them and my favorite was the soldering workshop since I am an electrical engineer. But regardless of the topic, I love seeing the passion younger girls have for engineering and I hope that I can somehow encourage them to pursue their dreams and do what makes them happy.” - Gabrielle Madden, EE, Senior

COLLABORATORS

Drexel WiCS: Women in Computing Society
Girls, Inc.
TechGirlz
Drexel College of Engineering
The Franklin Institute



END OF YEAR BRUNCH

Networking committee's final event for the mentorship year was hosted during week 7. The event was hosted for members from both professional and undergraduate mentorship programs. The event was held on the green rooftop at Cira Green, which overlooks the skyline of Philadelphia. Although it was a cold rainy afternoon, members gathered in the indoor area for some warm donuts and hot chocolate. Members discussed their summer plans and term goals. After an hour, the clouds cleared up and all members moved to the rooftop for some music.





Drexel SWE's mentorship program began in 2013 and has been growing ever since. This term, we decided to highlight our most active members, dubbing them our Outstanding Mentor and Outstanding Mentee pair. We asked them why they joined the program, what their favorite event was, and to elaborate on what they've learned through their relationship.

UNDERGRADUATE PROGRAM

Gabrielle: I love how the SWE mentorship program connects upper and underclassmen who may not otherwise get to know each other. It gives upperclassmen a chance to share their experience with other (usually female) engineers who may be nervous about starting their journey in such a tough field.

Saem: Even though I joined the Engineering Learning Community, it was hard to find women majoring in Electrical Engineering. However, through this mentorship program, I got to know Gabrielle who already went through what I will be experiencing in the future. I could ask questions about classes and coop. The mentorship program gave me an opportunity to meet upperclassmen who had experienced a lot more than I have. (...) "All SWE members should participate [in the] Mentor/Mentee program!"

Saem: All the events held by SWE are awesome. Among all, I enjoyed the networking events the most because these events are activities one has to actively participate, such as making necklace and decorating a mug. My most favorite event was ice skating. It was fun to ice skate outside with other SWE members.

final thoughts

Gabrielle: Like most things in life, both SWE and the mentorship program are what you make them (...) Whatever you want to do, you can do, but if you put some effort into it, SWE can become an amazing resource and an amazing part of your Drexel experience.

Saem: All SWE members should participate [in the] Mentor/Mentee program!



Mentor
Gabrielle Madden



Mentee
Saem Jaem

ALUMNI PROGRAM

Debbie: Drexel has a fantastic SWE program with many opportunities for participants to grow on many levels. I like that the Drexel SWE mentorship program draws upon established professionals to allow participants (both mentors and mentees) to learn from a different angle. This program also benefits both mentors and mentees by providing an avenue for building relationships and extending networks outside traditional channels.

Jui: I like that my mentorship program is so diverse and flexible in the sense that my mentor and I have multiple opportunities to interact in different settings. (...) I'd like to add that there have been times when I'm not the best mentee. I get caught up in school and work where I forget to email Debbie or keep her in the loop. At times like these, Debbie has reached out to me which I appreciate a lot because these are often times when I need a mentor the most.



Mentor
Debbie Gawrylowicz



Mentee
Jui Hanamshet

Debbie: I enjoyed getting to know these amazing young women and hearing about their opportunities and challenges. Seeing them through the transition from academics to internships, including resume building and interviewing, was particularly exciting for me.

final thoughts

Debbie: As an engineer, I LOVE to see more women in engineering! I think SWE provides great resources and an excellent support network for prospective women engineers, and hope to see your membership and participation levels grow and expand.

Jui: Debbie is the mentor I aspire to be. (...) I think the best part about our relationship is that I can be very candid about my struggles and questions. She gives me advice at the same level of candidness and honesty. I trust Debbie to give me the right advice and at the same time, I feel that she respects my decisions.

Sign-up for our mentorship program at
drexel.swe.org/mentorship-program.html

We are in need of more **undergraduate mentors** for the 2018-2019 school year!

DELTA DIVERSITY BBQ

This summer term, we collaborated with SHPE, NSBE, AOE, ASME, and ASCE to help host the annual DELTA Diversity BBQ. The DELTA (Drexel Engineering Leadership Transformation Academy) program provides pre-college support for incoming underrepresented engineering freshmen with the goals of increasing retention. Although the rainy weather brought us inside the recreation center, we still had a very successful day filled with great food and games. The diversity BBQ was a great way for both incoming freshmen and other undergrads to meet different organizations and build new friendships.





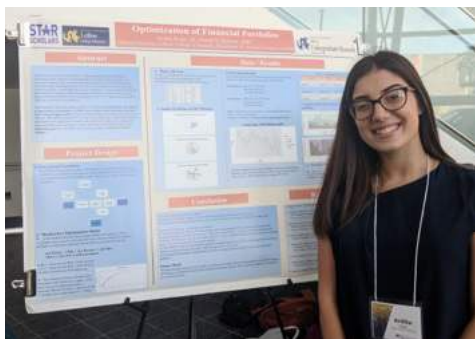
ADVISORY MEETING

For the summer term, we hosted our quarterly HeForSWE advisory meeting. Utilizing SWE's Inclusions Solutions card deck, we were able to facilitate an in-depth discussion about varying topics regarding diversity and inclusion. From discussing how to make school and work environments more inclusive to discussing how to eliminate stereotypes and prejudice, we had a very productive conversation and members were able to freely share their own experiences and ideas. We look forward to continue having these discussions through our events for the fall term!

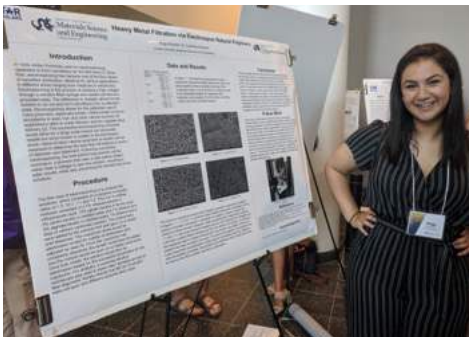
**MAKE SURE TO
SIGN UP FOR
THE HEFORSWE
NEWSLETTER!**

SWE STARS

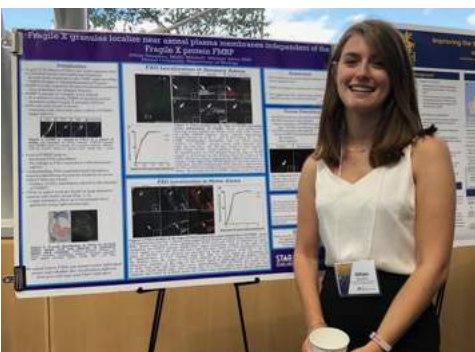
"The STAR (Students Tackling Advanced Research) Scholars Program allows first-year students to participate in faculty-mentored research, scholarship, or creative work during the summer after their freshman year. STAR Scholars work full-time during the summer term while living on campus and earning a \$3,500 stipend. The STAR Scholars Program provides an opportunity for students to get to know faculty, explore a major area of research, and gain practical skills and valuable research experience." - Drexel STAR Scholars Page



Ardita Koka
Business and Engineering



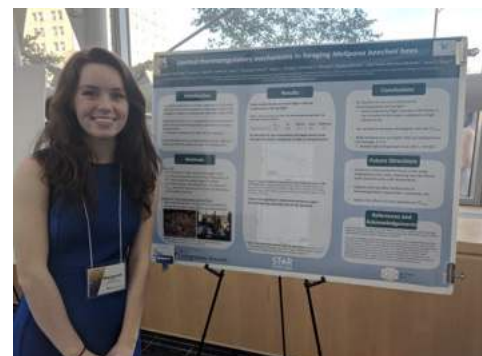
Engy Khoshit
Materials Engineering



Jillian Saunders
Biomedical Engineering



Malena Farber
Biomedical Engineering



Maggie McCurdy
Environmental Engineering

A.O.E SOCIALS

We had two great socials with A.O.E. this term! Alpha Omega Epsilon is a professional and social sorority for women in STEM so we had a great time networking with other women in engineering. On July 20, we went roller skating with A.O.E. at Penn's Landing and then got ice cream in Old City together. We all had a great time skating together and teaching the beginners in our group how to skate.

On August 5, we went to the zoo with A.O.E. which was a great break from the stress of midterm season. We got to explore the zoo together and even took pictures with their newest addition, Beau the baby giraffe! Next term, we'll be having another mixer with A.O.E. and WiCS and SWE is looking forward to meeting more women in STEM.

ACKNOWLEDGEMENTS

Drexel University Society of Women Engineers would like to thank the following organizations:

SILVER LEVEL SPONSORS: LOCKHEED MARTIN, PENNONI, EXXONMOBILE

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| -Johnson & Johnson | -Comcast | -3M |
| -University of Pennsylvania | -Langan | -GE |

DREXEL UNIVERSITY SUPPORT

- Drexel Mechanical Engineering & Mechanics Department
 - Drexel College of Engineering
- Drexel University CAP (Commission for Activities & Programs) Funding

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Directors serve for 4 quarter terms, beginning in the Winter.

Chairs serve for 2 quarter terms, beginning in the Winter or in the Summer.

Officer board applications are announced through our weekly member emails and social media posts. National membership is required to run and to vote.