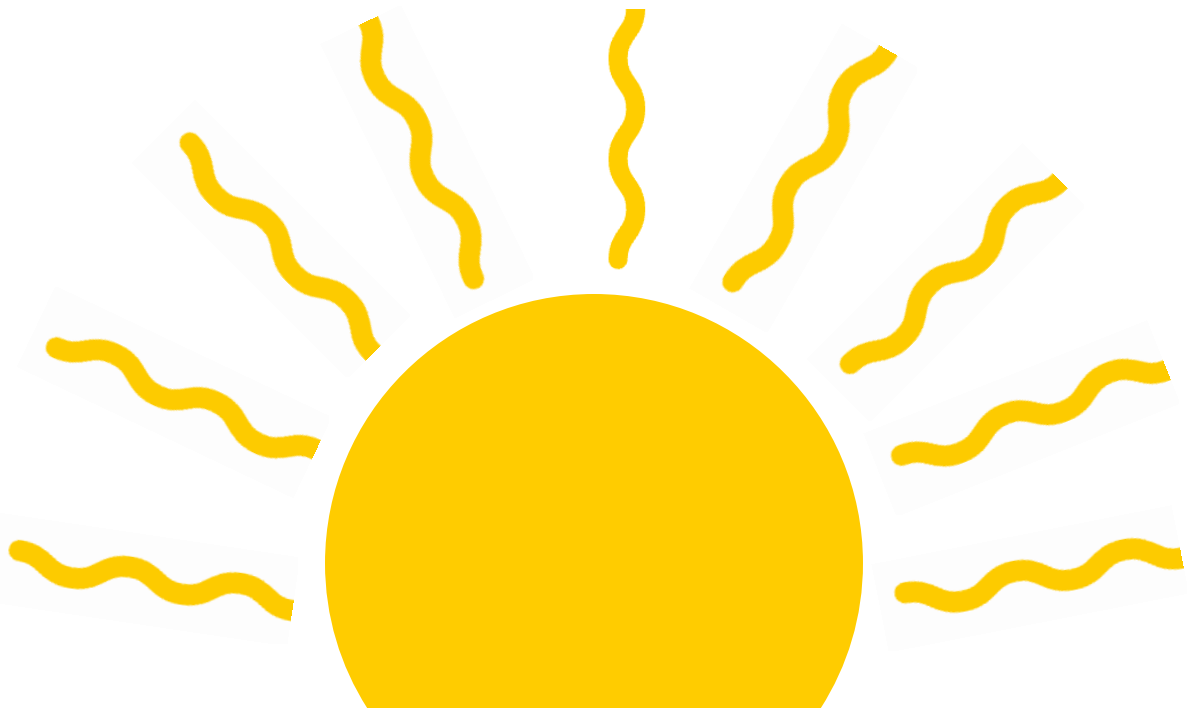


SOCIETY OF WOMEN
ENGINEERS



**SUMMER
2017**

SWE Quarterly
Newsletter

LETTER FROM OUR PRESIDENT



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 DrexelSWE

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Summer might be vacation time for some people but Drexel SWE still managed to have a busy, productive, and eventful summer! Something brand new this summer term was our wellness calendar. It might be my new favorite SWE idea! Every week there were certain challenges that you could try to complete such as meditating for 10 minutes a day or drinking a certain amount of ounces of water a day. There were also new weekly workouts where we all lifted together, did zumba, or went on a run! If you completed the challenges, you got points and eventually someone wins a prize at the end.

Our other committees were busy at work as well from our first Parent Educator Program ran by the Drexel and Penn outreach committees to our first official HeforSWE meeting! Our alumni mentor program is only growing larger and larger. We are excited for the new freshmen to arrive at Drexel for fall term and to join our undergraduate mentor program! Personally, this program helped me survive freshman and sophomore year. The most fun event this summer I'd have to say was the Diversity BBQ with DELTA students (incoming minority freshmen). We had 6 other engineering student organizations help us run the event by providing food or games. We played games and hung out for 3 hours!

Drexel SWE is also very busy working on getting corporate sponsorships instead of relying on Drexel funding. We have a lot of professional networking events with companies planned for the fall. In the fall, our new committee (Advocacy & Inclusion) will be having their first events such as an International Student Meet & Greet and "Lives & Lessons of the Underrepresented in STEM" Part 2! Get ready for fall term everyone...you know SWE is ready!

MEMBERSHIP COMMITTEE

GBM's

All of our GBMs were successfully catered to our members. We kicked off the Summer Quarter with GBM 1 on July 16th. Wahoo's Tacos and good company was provided to our members. Our 2nd GBM was on Monday, August 7th, where we started advertising for our first ever HeForSWE meeting that would take place before our final GBM on Wednesday, August 23rd. And, our last GBM on the 23rd was a success because of bringing in our HeForSWE audience, and for having an icebreaker that engages the skill of active listening.

BYOBlanket Night

Aside from GBMs, as in previous quarters, we hosted our BYOBlanket Movie Night! The movie shown was Nausicaä of the Valley of the Wind, an animated tale of a princess who courageously fights to restore balance in a war and toxic savaged planet through the means of science and diplomacy. Nausicaa was a character that many of our members looked up to as a strong female figure. The event also featured plenty of snacks, including cookies, chips, popcorn, and ice cream! We are already looking forward to Fall Quarter's movie night!



SWE members learn more about HeForSWE at the 2nd GBM

MEMBERSHIP COMMITTEE

Ice Cream Kickball Social

The weather was perfect for our Ice-Cream Kickball Social, a member and wellness joint favorite event held annually in the summer. Members were able to create their own sundaes and relax in the shade, or play kickball and have a little competition among themselves. We are looking forward to next year's Kickball Ice-Cream Social in the summer quarter!

Board Game Night

Board Game Night proved once again to be an amusing night for our members. The ever reliable Taboo was cherished in a big group of SWEeties, and later, Joking Hazard did not disappoint. We hope to host another Board Game Night in the future, as they have proved to be enjoyed by our members.



SWEeties enjoying a game of Taboo at Board Game Night

WELLNESS COMMITTEE

Body Pump

This summer we wanted to expand wellness events and increase the diversity of the kinds of events we held for members. We started off the term with a private SWE Body Pump class through DAC Group Exercise. This event was incredible and we plan to continue holding these types of events and start a Group Class Series which enables SWEeties to try out new exercise classes that are free to us as students. This was one of the main physical wellness events of the summer and look out for more events like this in the future!

Wellness Calendar

The Wellness Calendar was a concept which Isadora introduced to the committee early on and has proven to be very effective in helping our members practice good physical and mental wellness on a daily basis. Centered around different challenges and events that the committee held this summer, members could gain points through weekly and daily challenges, Isadora's weekly Zumba class through the DAC, weekly SWE workouts, and attending wellness events. We are excited to award our top 3 recipients at the start of fall term with their prize baskets and subscribe to wellness committee for more updates on the calendar for Fall!!

Wonder Woman

The Wonder Woman Event was one of our mental wellness events this term that focused on finding role models and figures whose qualities are ones we future STEM leaders can strive towards. Following the Hidden Figures showing earlier this year, Wonder Woman was slated to be one of the top movies of the summer that had a strong female lead whose values empower strong women (and men!) to do what is just. It also motivated some future workouts based on the amazing Amazonian training scenes which will be making a comeback during fall term for more people to try out.



Weekly Zumba as part of our new Wellness Calendar

WELLNESS COMMITTEE

Morris Animal Refuge

As a part of our mental wellness efforts to ensure the strong physical and mental well being of our members, two trips to Morris Animal Refuge were made this summer. These trips were a bit of double duty in that our members got the opportunity to interact with animals and relax but also for the animals to have someone come visit and give them social interaction they might not often get. The first trip we took around 12 SWEeties and had a blast meeting some of the cats and dogs and learning about the process of adoption and what living in the shelter is like for these animals. Several volunteers help on a weekly basis but trips like these help give the animals some extra love. We even met two twin kittens named “Drexel” and “Dragon”!

With this great experience during week 4, we returned week 8 hoping to make a similar impact on the refuge. Coincidentally, this trip took place during “Clear the Shelters Day”, a nation-wide effort to find loving and stable homes for the animals in shelters anywhere in the country. Once we got to Morris Animal Refuge that day, not only were the shelters empty compared to the first trip there in July, but any animals that were there were either being picked up by their new families or in the process of being adopted. It was a really heart warming day and we will definitely be returning with Wellness Committee in the future.



SWEeties took a wellness trip to the Morris Animal Refuge shelter

OUTREACH COMMITTEE

Science After Hours- Sixties

Every month, the Franklin Institute holds a Science After Hours event where adults are invited to learn about and participate in fun activities that are science related. July's event theme was the Sixties. Everyone dressed up in their best tie-dye and came ready to learn about the science behind lava lamps and fractals, among other things. Drexel SWE demonstrated how the solubility of ink in rubbing alcohol causes the colors of sharpie pens to run and create tie-dye designs! Each person had the opportunity to make their own tie-dye circle on a big community sheet. Drexel SWE volunteers at Science After Hours almost every month, so look out for more opportunities to volunteer in the Fall months!



DrexelSWE demonstrates ink solubility

Science After Hours- Don't Try This @ Home

The Franklin Institute held another Science After Hours for the month of August, featuring the theme Don't Try This at Home. Adults were invited to come check out science experiments and demonstrations that they wouldn't usually be able to see everyday. Everyone watched and learned the science behind bottle rockets and liquid nitrogen. However, when it came to Drexel SWE's demonstration, many were a little nervous (and so were we). Our activity was exploding watermelons, which seems simple at first, but it was like a ticking time bomb. We had to wrap the watermelons with rubber bands until they finally exploded, but we had no idea when it would or where the pieces of watermelon would go! Everyone loved the demo and we had several attendees help us out, which made things even better. The next Science After Hours event is Wizard School on September 26th. It's already sold out so we need all the help we can get!

OUTREACH COMMITTEE

TechGirlz Workshop- Build Your Own App

On Saturday, July 29th, Drexel SWE collaborated with Drexel's Women in Computing Society to hold our second TechGirlz's workshop! This event taught middle school girls about building and designing their own mobile apps. With the help of Marvel, an app prototyping app, around 15 middle school girls were able to successfully make models of their very own apps! From puzzle games to quote databases, the apps they created inspired them to go further into tech and learn more about the design process.



Girl shows off her new and very own mobile app

PEP

With the assistance of Penn SWE, Drexel SWE held our first Parent Educator Program on August 26th! We invited Dr. Giuseppe Palmese, Interim Dean of the College of Engineering, Stephanie Delaney, ECE advisor, Randall Deike, Senior Vice President of Enrollment Management and Student Success, and both Salim Mikhael and Jo Ann Coleman, parents of Drexel engineering students. These panelists, along with SWE volunteers, helped around 30 family members understand more about the college application process and what it means to be an engineering student. We hope to collaborate with Penn SWE again for our next Parent Educator Program!



PEP Panelist board discusses college app process

NETWORKING COMMITTEE

Alumni Event 2

The Alumni Mentors are invited back to Drexel each term for a dinner with their mentees. At the second alumni event we had a variety of food available in the SkyLounge at Summit for the Alumni and Undergrads to socialize. This event didn't have a huge turn out with 7 attendees, but the individuals who attended enjoyed discussing the changes Drexel was undergoing with new buildings and current construction going on. The ladies were given talking points to help keep conversation interesting but just as last time they didn't need the points!



Alumni and undergrads discuss Drexel's current changes

Picnic in the Park

Picnic in the park was hosted in the SWE office due to the inclement weather but had a huge turnout with about 15 attendees. At this event the undergrads talked about their STAR projects and experiences. The event lasted about 2 hours and the mentor/mentees also talked about their upcoming terms and the classes they were taking in the fall or the internship they accepted for the fall.



Undergrads discuss STAR projects and experiences

PROFESSIONAL DEVELOPMENT COMMITTEE

Resume Review with ASCE and AEI

The resume review was a collaborative effort made possible by SWE, ASCE, AEI, and ASME. This event was a very helpful event to students going on co-op as well as students looking for full time jobs. We had professional volunteers come out and help us pinpoint key things in our resumes that needed tweaking as well as provided advice on how to arrange the format and set-up of our resumes. This event was a great networking opportunity as well!

Peer Elevator Pitch

We practiced our 30 second commercial pitch by watching some tutorials together. The President of Drexel Toastmasters was present and helped us out as well. We first had a round of each one talking about themselves. We then peer reviewed each other, gave constructive feedback and had another round of improved pitches.

Python Workshop x IEEE:

The Python workshop was by far the most successful Professional Development event in the Summer. As a collaboration with Drexel Institute of Electrical and Electronics Engineers (IEEE), we hosted a 2 hour workshop teaching the basics of Python. We had about 25 attendees, half of which were not associated with SWE or IEEE.



Attendees both inside and outside of SWE/IEEE are taught basic Python

ADVOCACY & INCLUSION COMMITTEE

DELTA Diversity BBQ

Diversity barbeque was an event hosted to welcome this year's DELTA (Drexel Engineering Leadership Transformation Academy) students and celebrate the value of diversity in engineering. With the help of our advisor Dr. Clyne, the Mechanical Engineering and Mechanics Department and engineering organizations such as ASCE, IEEE, NSBE, SASE, AOE, AIChe, and AEI; the outcome of this event turned out to be a great success. Incoming DELTA freshmen, sophomores and upperclassmen had fun networking, playing games and sharing their interests while enjoying the food. We had several games that encouraged students to socialize: volleyball, potatoes bags, giant Jenga, sketch pads, soccer and cornhole. We also had a table that displayed all the different engineering organizations that the incoming students can join and be aware of. The event lasted roughly 3 hours and most of the incoming DELTA students signed up for engineering organizations and were excited about their upcoming terms at Drexel.



DELTA students enjoying a friendly game of Jenga



Different engineering organizations on display for incoming students

MISWELLANEOUS

SWE Rec Day

On August 26, with beautiful weather, we gathered at Race Lawn to spend time outside, play some games and take a break from the chaos going into week 10. We played cornhole, listened to music, and played some water games. SWE members and friends laughed and ran around with water balloons or passing a kickball. It was a great way to relax and take a moment to enjoy the sunshine.

HeForSWE

With fall approaching, the HeForSWE team took initiative and work together with faculty and local professionals to refine the program for incoming freshmen. HeForSWE hosted its very first advisory meeting for men and women interested in being part of the program before a SWE general body meeting in August and received an unanticipated high attendance and positive feedback. With so many ideas contributed during our first advisory meeting, HeForSWE intends to host similar events twice per term before chapter general body meetings and continue the momentum with outreach, partnerships, and professional networking.

Officer Beach SWEtreat

In July the SWE Officers had an officer's retreat at the Vice President's (Jacque) beach house in Delaware! A beach house full of SWEeties for the weekend was well needed in the middle of the Drexel summer quarter. The officers really enjoyed the beach, good weather, Lexi's BBQ'ing and each other's company!



A few of our officers enjoying the beach!

ALUMNI SPOTLIGHT

Dr. Christine Fiori



Dr. Christine Fiori is the Department Head of Engineering Management Studies and the Program Director of the Construction Management Program at Drexel University where she teaches courses in Project Controls, Equipment Applications and Economics, and Strategic Management. Prior to joining the faculty at Drexel University, she served as the Preston and Catharine White Fellow and Associate Director of the Myers-Lawson School of Construction at Virginia Tech. She received her BS, MS and PhD in Civil Engineering with a concentration in Geotechnical

Engineering from Drexel University in 1992, 1994 and 1997 respectively. She served as a Civil Engineering officer in the United States Air Force and taught at both the United States Air Force Academy and Arizona State University.

Her interest in ancient construction practices led to a National Science Foundation grant to explore the construction techniques of the Inca, specifically the Inca road throughout Peru. This research is part of a Smithsonian exhibit at the Museum of the Native American Indian through 2020. She was recognized as an Engineering News Record Top 25 Newsmakers of 2010 for her research on the Inca Road. Additionally, Dr. Fiori was featured on the Science Channel in an Episode of Strip the City pertaining to Machu Picchu. Dr. Fiori led the Construction Engineering and Management program and also facilitated the service learning programs for the Myers-Lawson School of Construction. She has led diverse groups of student teams to Vietnam, Kenya, Belize, Guatemala and Haiti to complete construction projects and community engagement programs. Currently her work is focused in Belize and Africa.

She also serves as a Faculty Fellow for the Sigma Phi Epsilon fraternity, is a Bridges to Prosperity Construction Mentor, serves on the Board of Directors and as a mentor for the ACE Mentoring program of Southeastern Pennsylvania and was elected as the first Affiliate member of the Carpenters' Company of the City and County of Philadelphia. In her spare time she enjoys working with non-profits such as Peacework and Habitat for Humanity, traveling, bee-keeping and scuba diving.

SPONSORS, COLLABORATORS, & SUPPORT

Drexel University Society of Women Engineers would like to thank the following organizations for their sponsorship, collaboration, and support over the last academic term:

SILVER LEVEL SPONSOR: LOCKHEED MARTIN

Lockheed Martin works on creating new technologies in the aerospace and defense field. As a part of their commitment to women in STEM, Lockheed Martin released a pilot project called Girls Inc. which connects Lockheed Martin volunteers with girls aged 9-12 to increase their interest and confidence in pursuing a STEM career. We would like to thank Lockheed Martin for sponsoring and supporting Drexel Society of Women Engineering in their efforts to further their support for women in STEM. Look out for event collaborations in the near future!



EVENT COLLABORATORS

- GoogleNYC
- Johnson & Johnson
- University of Pennsylvania

DREXEL UNIVERSITY SUPPORT

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

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