



SOCIETY OF WOMEN ENGINEERS

•ASPIRE•ADVANCE•ACHIEVE•

RUTGERS SECTION
SPRING 2017 NEWSLETTER



IN THIS EDITION...

WHO WE ARE:

MEET THE TEAM... pg 3

OUR SENIORS... pg 4

WHAT WE'RE UP TO:

ASPIRE... pg 5

ADVANCE... pg 7

ACHIEVE... pg 9

WHO SUPPORTS US:

SPONSORS... pg 10

SUPPORTING WOMEN IN ENGINEERING AT RUTGERS SINCE 1975

The Society of Women Engineers at Rutgers University is a collegiate section of the National Society of Women Engineers. Our mission is to create a network and support system for women and to stimulate them to achieve their full potential in careers as engineers and leaders. Our organization offers mentoring, corporate and networking events, community service, outreach to pre-collegiate students and more to women in engineering and to Rutgers as a whole. Our chapter meets every Tuesday at 7pm in Rm 174 in the Busch Campus Center at Rutgers University, New Brunswick.

AWARDS:

SWE Regionals Award:

- Outstanding Collegiate Section 1st Place

SWE is sincerely honored to have received the following four awards at the 2017 Engineering Governing Council Awards Banquet:

- Best High School Outreach
- Best Networking Event
- Best Jointly Held Event
- Best Underrepresented Society

"For more than six decades, SWE has given women engineers a unique place and voice within the engineering industry. Our organization is centered around a passion for our members' success and continues to evolve with the challenges and opportunities reflected in today's exciting engineering and technology specialties."



MEET THE TEAM

Executive Board Members

Advisor: Candiece White

President: Stephanie Tu

External VP: Sophia Blanc

Internal VP: Francesca Romano

Treasurer: Celine Park

Secretary: Akanksha Pathak



Chair Position Holders

Community Service Chair: Tiffany Yang

Public Relations Chair: Madeleine Modugno

Alumni Relations Chair: Sanjana Bhat

EGC Representative: Stefanie Traeger

Historian: Rebekah Pedo

Fundraising Chair: Aaron Mah

Digital Media Chair: Ankita George

High School Outreach Chair: Jillian Maling

Industry Mentorship Chair: Niharika Mishra





OUR SENIORS

Congratulations, Class of 2017!



Thank you for everything you have done for SWE, and good luck!

Joanne Chan
Positions held:
Fundraising
Projects:
Engineering hats!

Nishtha Sharma
Positions held:
Secretary,
Fundraising, HS
Outreach, EGC
Rep
Projects: CreaTECH

Isabel Tamayo
Positions held:
High School
Outreach,
Alumni Chair
Projects: Lab
tours

Nikita Patel
Positions held:
Industry
Mentorship
Program Chair

Gloria Leung
Positions held:
Digital Media
Projects:
CreaTECH

Jaime Swartz
Positions held:
President,
Treasurer,
Freshman Rep,
Informal Adviser
Projects: SWE
Graduate Branch

Danica Sapit
Positions held:
EVP, Secretary,
Digital Media
Projects: Career
Fair, professional
development
events

Bridget Yako
Positions held:
IVP, High School
Outreach
Projects:
SWELL program
and Lab Tours

Angel Mathew
Positions held:
IVP, Public
Relations, SWE
Cheerleader



ASPIRE

Chips, Dips, and Tips BY: ANGEL MATHEW



Chips, Dips, and Tips was our first meeting of the spring semester! SWE wanted to start off the new semester by providing our members with the opportunity to ask other members about starting off the semester on the right foot, meeting new members, as well as showing interest in elections. Members moved every 15 minutes from table to table discussing the theme of that table. This relaxed environment was a great way to ease into the new semester with the proper mindset, say 'hi' to friendly faces post- winter break, and enjoy some good snacks!

Cookie Decorating BY: MEHAK VIJ

On Thursday, January 19th, SWE members hosted a cookie decorating event on the first floor of Barr Hall on Busch Campus! Over 75 people attended, including men and women from all over the BAMM Complex and Honors College! Everyone socialized, decorated cookies, and learned more about SWE and its motives.



SWEet Thoughts BY: AKANKSHA PATHAK



Every semester SWE has one Tuesday community service event during which we try our best to give back to the community. On Tuesday, February 14, we held an event called SWEet Thoughts. The event was designed for us to spread some love and share our thoughts. SWE made approximately forty bagged lunches that had handmade sandwiches, fruit snacks, and a juice box. These lunches were then donated to Elijah's Promise, a kitchen in New Brunswick that offers meals for homeless individuals. For the second part of the event, SWE members were able to voice their opinions on current legislation by writing thoughts to Senator Cory Booker on issues that are important to us. These thoughts have been compiled into a letter that was sent to the senator. As a prominent minority organization, it was important to express our concerns and exercise our civic duty.

SWE Night BY: FRANCESCA ROMANO

Inspiring girls to pursue degrees in engineering is one of our main goals as a SWE section. On Friday, April 7th, 2017 Rutgers SWE held our annual SWE Night, an outreach event where women admitted to the school of engineering are invited to spend the night with current Rutgers School of Engineering students. This year our theme centered around "Getting Knighted," complete with medieval catapult creation and bridge building, which exposed the girls to the engineering mindset, and what to expect as a Rutgers engineering student. As another part of the evening, Rutgers alum Ann Kennedy gave an inspiring presentation about her journey through Rutgers and her professional career. Following Ann's talk, current SWE members answered questions in a panel-style Q&A to help tie any loose ends for the attendees. At the end of the evening, attendees were hosted in various dorms so they could experience "college living" for a night. Our goal is to have the girls feel knowledgeable and confident in their college-related choices by the end of the evening, and to show the girls how fun engineering (and SWE) and can be!



ADVANCE

Problem Solving with FM Global BY: KRISTIAN WU



On Tuesday, January 24th, FM Global came to help prepare SWE members for case competition problems. FM Global is a global engineering consulting company so their insight and tips helped the attendees learn more about how to approach a problem and work towards solving it. The representatives from FM Global prepared a water supply loop problem, and the SWE members worked in groups to find a solution to this issue.

Project Management with Direct Energy BY: DANICA SAPIT

SWE members got to learn a bit about project management as a career on Tuesday, February 7th, when two women professionals from Direct Energy, a commercial energy provider, came in to talk about their line of work. The two women spoke a bit about their professional backgrounds as well as opportunities within Direct Energy to get into projects. Then they got into the fundamental principles of Project Management and spoke a little bit about the different kinds of projects that they have worked on. It ended with a Q&A session with the professionals, and SWE was very appreciative that they were able to come in and speak on the subject!



ADVANCE

Majors Mixer with Alumni BY: CELINE PARK



On Tuesday, March 28th, SWE members had a chance to learn more about the different engineering majors offered in Rutgers. With major declarations just around the corner, this event was mainly for first year students who are not sure what major to pursue. Upperclassmen and alumni were also invited to give advice and support. There were tables for different majors and all the tables had good conversation about the curriculum, faculty, and even improvements each department can make. SWE members especially had great time with eight alumni who were in the same position few years ago as undergraduates.

Alumni & Industry Mentorship Banquet BY: SANJANA BHAT

At the beginning of every fall semester, Rutgers SWE commences its Industry Mentorship Program (IMP). Students in the school of engineering are eligible to sign up for this program, where they are paired up with an industry mentor based on their majors. This program helps students gain insight about the industry and receive guidance in pursuing careers. On April 14th, 2017, Rutgers SWE held its annual IMP/Alumni banquet, which marks the conclusion of the program. This year our guest speaker was Jessica Chamoun, a Rutgers alumni ('14) and mentor in the industry mentorship program. She works for PSE&G and was at the banquet to emphasize the importance of networking in the industry. SWE members had fun when Jessica used a unique polling application to interact with them. This event was a remarkable way for all SWE members to have a chance to interact and socialize with the alumni and mentors.





ACHIEVE

SWE Know What You Did Last Summer

BY: BRIDGET YAKO

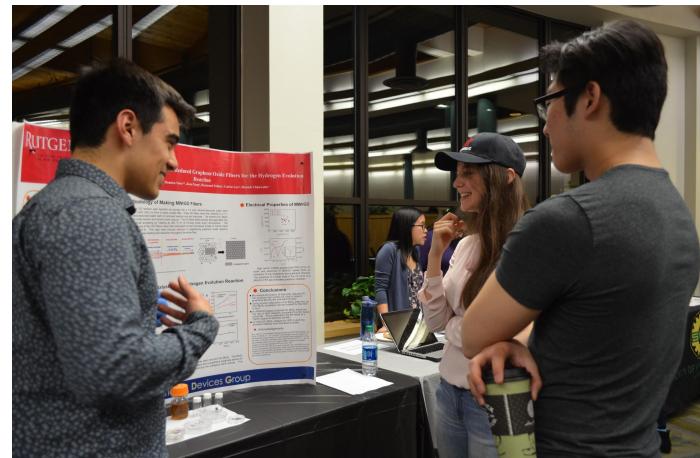


On Tuesday, January 31st, SWE Board members shared their past summer experiences. Many first-year students come to SWE meetings and information sessions with one common goal: finding an internship after one short year as an engineering student. While many are successful in their pursuit of this goal, Rutgers offers a range of different enrichment programs over the summer, including employment, research, and studying abroad, which are ideal for first-year engineering students. Three upperclassmen SWE members presented on their internships and how they obtained them, and another three members spoke on opportunities they pursued outside of industry. SWE Know What You Did Last Summer aimed to broaden an engineering student's vision of a fulfilling, successful summer.

4th Annual Research Fair

BY: SOPHIA BLANC

On Tuesday, March 7th, SWE alongside our co-host, the Rutgers University Biomedical Engineering Society, held our undergraduate engineering research fair for the 4th time. At the event, around 15 professors and graduate students presented their research through posters, interactive computer screens, and various props. The more-than 110 undergraduate students who attended the event walked through the symposium-style set-up and spoke to numerous researchers to gain a better understanding of their work. Researchers took students' contact information to recruit for their labs, making the event mutually beneficial to all. The research fair is SWE's way of encouraging students to get involved in research, in addition to giving professors a spotlight to showcase their hard and interesting work.



ACHIEVE

CreaTech: Drone Edition BY: GLORIA LEUNG/NISHTHA SHARMA



On Sunday, March 26th, students in School of Engineering had the chance to learn about drones and gain practical experience with building, flying, and working with drones. SWE hosted this event with Professor Saman Zonouz (ECE) and Professor Peter Jin (CEE), both of whom brought experiences from their different backgrounds. The day consisted of an educational workshop, hands-on projects, a showcase, and a networking session with the professors and their graduate students. Students had the opportunity to be part of either Professors' group and participate in the respective project. Professor Zonouz's group was able to build and fly a drone, providing insight into the engineering behind a drone. Professor Jin's group used a drone to analyze traffic simulation, providing insight into the application of drones in real time. Students had a chance to get practical experience and really enjoyed the event!

FOLLOW US!
www.SWE.Rutgers.edu



SWE- Rutgers Section



Rutgers_SWE



@SWE_Rutgers

OUR SPONSORS

Thank You to Our Sponsors!

ExxonMobil



GOLD

SILVER



LOCKHEED MARTIN



NORTHROP GRUMMAN

