The Society of Women Engineers (SWE) is a not-for-profit educational and service organization that empowers women to succeed and advance in the field of engineering, and to be recognized for their life-changing contributions as engineers and leaders. Founded in 1950, SWE is the driving force that establishes engineering as a highly desirable career for women through an exciting array of training and development programs, networking opportunities, scholarships, outreach, advocacy activities, and much more.
2014-2015 Executive Board

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**Vice President:** Aditi Surma (ajs69@njit.edu)

**Secretary:** Christal Kuriakose (ck55@njit.edu)

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**Public Relations Director:** Vini Mehta (vjm6@njit.edu)

**Outreach Coordinator:** Mishal Shahab (ms784@njit.edu)

**Webmaster:** Adaoha Uzoho (adu2@njit.edu)

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**Outreach Coordinator:** Smriti Sharma (ss2486@njit.edu)

**Webmaster:** Sandhyadevi Singh (ss2562@njit.edu)

**Faculty Advisor:** Dr. Raquel Perez-Castillejos (raquelpc@njit.edu)
Dear Prospective Supporter,

On behalf of the Society of Women Engineers collegiate section at the New Jersey Institute of Technology (NJIT), we would like to invite you to be a part of our section for the 2014-2015 academic year. SWE at the New Jersey Institute of Technology is a dynamic organization, dedicated to creating a bridge connecting students with the professional society. Our focus is to honor SWE’s vision in advancing young women in their career as engineers and leaders by expanding the image of the engineering profession and demonstrating the value of diversity in the work place. Located in the heart of Newark, NJIT is a cultural and academic kaleidoscope, offering various STEM majors to a diverse range of students.

NJIT SWE is over a decade old section and we are very proud to mention that the first SWE president, Dr. Beatrice Alice Hicks, was from our own Newark College of Engineering (NCE, now part of NJIT) who graduated with a Chemical Engineering degree. Likewise, Dr. Lillian Moller Gilbreth was the first female professor to teach at NCE. Both women paved way for many female students to succeed in STEM careers. Their inspiration served as an important factor for the success of many NJIT women graduates. To add onto their efforts, a separate section solely dedicated to cater the needs of graduate women students was initiated in 2011. Since then, it has been functioning exceptionally well and we are happy to announce that NJIT is one of the first schools in the nation to establish a separate graduate SWE committee. Women at NJIT are able to uphold their goals and share their wisdom with future engineers and scientists. Each and every one contributes to their society in their own unique manner and we believe our members can do the same for your company as well.

The 2013-2014 academic year proved to be very successful for NJIT SWE. For the first time, SWE received support from eleven different entities including corporate and academic sponsors. With this sponsorship, SWE was able to host a number of Professional Developments events aimed towards both undergraduate and graduate students. SWE (in collaboration with the Murray Center for Women in Technology) hosted its 1st Annual Female Research Showcase and Oral Presentation Workshop which was the first time female-specific research of undergraduate and graduate students was showcased at NJIT. This year, SWE was awarded its second consecutive WOW! That’s Engineering! grant from ExxonMobil (received through SWE Headquarters) to host a K-12 outreach event as well as continued our NCE-SWE Mentorship Program to connect undergraduate and graduate students to faculty and industry representatives for a second year. At the year-end NJIT Highlander Awards, NJIT SWE was presented the Outstanding Student Group Award.

We are very proud of our major accomplishments and we hope to continue to on taking greater challenges to fulfill our continued goal of increasing the number of female students studying science, technology, engineering and mathematics (STEM). We present what NJIT SWE has to offer for our members and how beneficial our programs are for the student body. We also present on how you can be a part of our section and how it can benefit your organization. There are many ways for you to be involved with our section; ranging from participating in the mentoring program to becoming a guest speaker for our events. More information on the different types of supports is explained further in this booklet. We ensure that by collaborating and supporting SWE at NJIT, we will acknowledge your company for its tremendous support to future leaders of our society. We eagerly look forward to working with you to establish a strong relationship with your organization, and we invite you to join us in shaping history!

Sincerely,
Kimberly Lam  Yasmine Aly
2014-2015 Society of Women Engineers
Levels of Support

- Support a SWE member to attend the SWE National and/or Regional Conference
- Support Annual Networking Night and Awards Reception (Banquet)
  - Recognition at the Annual SWE Banquet and on all advertisements for the banquet
- General SWE events
  - Professional Development Workshops
    - Female Research Showcase & Oral Presentation Workshop
    - Career Fair Preparation
  - Mentoring Program
  - Information Sessions
  - Plant Tours
  - General Body Meetings
  - K-12 Outreach
- Recognition on NJIT SWE Website

SWE Platinum Supporter
($1000+)

SWE Gold Supporter
($500-$999)

SWE Silver Supporter
($100-$499)

SWE Bronze Supporter
($25-$99)

SWE Copper Supporter
(Non-Monetary Support)

- Workshop/Panelist speakers
- Mentor in Mentoring Program
NJIT SWE hosts various events ranging from professional to social events which are geared towards enriching our members, allowing them to succeed in the professional world.

NJIT SWE members look forward to corporate information sessions, workshops, and plant tours which allow students to learn about the company and to meet with company representatives. We would like to offer an opportunity to host an information session or a plant tour for the upcoming 2014-2015 academic year.

Hosting an information session/plant tour not only benefits our members but can also serve as an advantage to your company.

- For our information sessions and workshops, we provide on-campus spacing/room, audio-visual equipment, and publicity.
- For our plant tours, we provide transportation to and from hosting facility.

* To host an information session, workshop (Wednesday afternoon or Friday morning), or a plant tour of your company, please email Kimberly Lam at kl225@njit.edu to coordinate a suitable date.

**Refreshments can be served during an information session for an additional fee. Please contact Kimberly Lam at kl225@njit.edu to order food.
<table>
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<tr>
<th>Event</th>
<th>Target Audience</th>
<th>Event Description</th>
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| National Conference         | 12 members      | - Los Angeles, CA  
   * Hosting and attending professional development workshops  
   * For more information, please visit page 9 |
| October 23-25, 2014         |                 |                                                                                                                                                  |
| Region E Conference         | 10 members      | - Drexel University, Philadelphia, PA  
   * Networking with collegians and professionals in the Mid-Atlantic area |
| March 2015, two days        |                 |                                                                                                                                                  |
| Mentoring Program           | 100+ attendees  | - Bring together faculty and industry professional mentors with graduate and undergraduate student mentees  
   * Students can obtain valuable guidance and build a network useful for their long-term professional goal.  
   * For more information, please visit page 7 |
| including faculty & professionals |                 |                                                                                                                                                  |
| K-12 Outreach Events        | 50+ members &   | - Specific activities designed to introduce students to science, technology, and engineering concepts  
   * Provide female STEM majors as role models  
   * Demonstrate that STEM fields can be fun and challenging careers for females  
   * For more information, please visit page 8 |
| students                    |                 |                                                                                                                                                  |
| Professional Development    | Various         | - Female Research Showcase & Oral Presentation Workshop  
   * Career Fair Preparation workshops  
     o Resume writing or review  
     o Elevator pitch  
     o Interview preparation  
     o Business etiquette  
   * Graduate Student Development  
     o Avenues to Grad School  
     o Sound Technical Writing workshop  
     o What to do with your Graduate Degree |
| Workshops                   |                 |                                                                                                                                                  |
| Information Sessions and    | Various         | - Insight into companies  
   Platform Tours               | Platform for companies to address students |
| Women’s History Month       | 50 members &    | - Panel consisting of female engineers, scientists, and leaders  
   Panel                      | NJIT students                |
|                             |                 | - Share their experiences working and succeeding in the professional world                                                                         |
| Banquet                     | 100+ attendees  | - Networking and Awards Reception  
   including SWE members, students, faculty, & professionals                                    |
|                             | including SWE   |                                                                                                                                                  |
|                             | members, students, faculty, & professionals |                                                                                                                                                  |
The primary mission of the Society of Women Engineers (SWE) is to expand the image of engineering profession as a positive force in improving the quality of life and to stimulate women to achieve full potential in careers as engineers. The mission of the Newark College of Engineering (NCE) is to provide the next generation of engineers with the tools and the vision to transform our society through the creative application of technology. With these goals in mind, SWE & NCE collaborated to launch a mentoring program this past academic year. This program allows faculty, industry professionals, graduate and undergraduate students to come together to provide a support group for students.

Our goals are to:
- To increase enrollment of women students at NCE at freshmen as well as graduate levels.
- To retain the students and demonstrate the value of an engineering career by providing a professional as well as social support system on campus.
- Showcase accomplishments of women engineers on campus; Increase visibility of real-life role models that students can identify with and aspire to become.

Please join us for an evening in October* in the Campus Center Atrium for our Mentoring Program Kick-Off!

*Final date to be confirmed

We have reserved 50 parking spots which are on a first come first serve basis. Please RSVP to confirm your spot!

Please contact Yasmine at yha2@njit.edu if you would like to become a mentor.

For more information, please visit:
www.njit.edu/swe/mentorship

SWE was featured in the NJIT Newsroom. Check us out!
This past academic year, NJIT SWE hosted our second annual “WOW! That’s Engineering” Outreach event where our theme was “Inventing the Future”. We were awarded a grant from ExxonMobil for the second year in a row which we received through SWE Headquarters to support our continued goal of increasing the amount of females in the science, technology, engineering, mathematics (STEM) field. The event hosted students from St. Vincent’s Academy in Newark. Throughout the day, students engaged in a variety of hands on activities such as creating homemade lip gloss, silly putty, a simple electric motor, and testing their original structural bridges which exposed the youth to different fields of engineering including chemical, electrical, and civil. The multiple small projects were purposely designed to challenge, educate, and spark interest in STEM among the youth. These activities also gave students the opportunity to practice effective communication among the group to complete the activities. The members of SWE at NJIT would like to thank the National SWE headquarters and ExxonMobil for funding and the promotion of the aims and goals of SWE as a whole through the outreach event.
SWE’s Annual National Conference provides a platform for more than 6,000 women engineers and technologists to raise the heights of innovation. Collegians get to participate in various professional development sessions, make use of the academic resources, get an opportunity to take part in their career fair and get engaged with networking sessions.

Aside from attending as participants, our members take part in various organizational activities by assisting the national coordinators. They also help organize workshops, serve as panel members, volunteer during the conference, and take part in the national collegiate poster session competitions. In the past, a few of NJIT SWE members have been selected to speak in such workshops as well!

This year, SWE members will experience Los Angeles through technical and sight-seeing tours, enjoy exciting plenaries, keynote speakers, and award banquets, including Celebrate SWE!

**By sponsoring a student,**

The four-day trip will cost approximately **$820 per student** and the cost is broken down below:

- **$120/ student for conference registration and events**
- **$400/ student for airfare and local transportation**
- **$300/ student for hotel accommodations**
Annual Networking Night & Awards Reception

Please join us for a night of celebration!

April 16, 2015
Reception: 6pm – 7pm
Program: 7pm – 9pm
New Jersey Institute of Technology
Campus Center Atrium

The New Jersey Institute of Technology Society of Women Engineers proudly presents our Annual Networking Night & Awards Reception. During this event, we will be celebrating our accomplishments and recognizing the people and company representatives that have had a positive impact on our organization. We genuinely thank the ones who helped us make that academic year a successful one and to show our appreciation, we will also present a well-deserved award to individuals at our Networking Night.

To RSVP, please contact Kimberly Lam at kl225@njit.edu to reserve your spot.
Individual/Corporate Support Form

Individual/Company Donor Name: ____________________________________________

(For companies) Contact Person & Position: ______________________________________

Address: ___________________________________________________________________

                                                                                     ___________________________________________________________________

Email: ___________________________________________ Phone: (_____) __________________________

I/We would like to become an official supporter of NJIT SWE at the following level:

☐ Platinum ($1000+) Supporter | Please charge my sponsorship of $___________ for:
  ☐ Banquet
  ☐ National Conference
  ☐ Workshops
  ☐ Outreach
  ☐ Mentoring Program
  ☐ General Body Meetings
  ☐ Information Session/ Plant Tour

☐ Gold ($500-$999) Supporter | Please charge my sponsorship of $__________ for:
  ☐ National Conference
  ☐ Workshops
  ☐ Outreach
  ☐ Mentoring Program
  ☐ General Body Meeting
  ☐ Information Session/ Plant Tour

☐ Silver ($100-499) Supporter | Please charge my sponsorship of $___________ for:
  ☐ Region E Conference Conference
  ☐ Workshops
  ☐ Outreach
  ☐ Mentoring Program
  ☐ General Body Meeting
  ☐ Information Session/ Plant Tour

☐ Bronze ($25-$99) Supporter | Please charge my sponsorship of $__________ for:
  ☐ Information Session/ Plant Tour
  ☐ General Body Meeting (SWE 101+102)

☐ Copper Supporter
I/We would like to provide non-monetary support to the NJIT SWE Section.
Please specify: ___________________________________________________________________

☐ I/We would like to donate my/ our services in a way that was not mentioned above.
Please specify: ___________________________________________________________________
I/We would like to discuss other opportunities regarding my/our company’s involvement. Please specify: ______________________________________________________________
_______________________________________________________________________________

For recruiting companies: Which level(s) of students is your company interested in? Please check all that apply.

- Freshmen
- Sophomore
- Junior
- Senior
- MS Student
- Ph.D. Student

For recruiting companies: Which major(s) is your company interested in? Please check all that apply.

- Biomedical Engineering
- Civil Engineering
- Chemical Engineering
- Mechanical Engineering
- Industrial Engineering
- Electrical Engineering
- Computer Engineering
- Physics, Math
- Information Technology
- Business & Information Systems
- Biology, Chemistry, Biochemistry
- Engineering Technology
- Architecture

Signature: ____________________________________________  Date: _____________________

Please make all checks payable to NJIT Society of Women Engineers. Please mail the check to and the print out of your Support Form to:

Dr. Raquel Perez- Castillejos
New Jersey Institute of Technology
613 Fenster Hall
University Heights
Newark, NJ 07102

A thank-you letter for your donation will be mailed to the individual named above at the address provided.

For additional information, please contact Kimberly Lam at kl225@njit.edu
or Yasmine Aly at yha2@njit.edu

Thank you for supporting the New Jersey Institute of Technology section of the Society of Women Engineers!
We appreciate your support!
We would like to recognize our sponsors and industry members from FY14 Thank you for your continued support of the New Jersey Institute of Technology section of the Society of Women Engineers!

Industry Mentor Organizations in Mentoring Program

Alcatel Lucent
Colgate-Palmolive
Zoetis
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Bristol Myers Squibb
SPEX CertiPrep
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