



SWE Outlook

The Philadelphia Section ~ Region E

FY15.3 October 2014

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LETTER FROM THE PRESIDENT

Greetings SWE Philadelphia!

Motivated and ready for action! Can you guess what prompted our energized spirit? You got it! We just returned from WE14, the Society's Annual Conference. This year, SWE partnered with the International Network of Women Engineers and Scientists (INWES) to host their annual conference, ICWES, and brought record attendance of over 8000 collegiate and professional attendees with over 300 exhibits at the career fair!

I still remember how excited and energized I was at the end of my first SWE Conference in 2006; I felt as though I could change the world. In 2006, we had 4000 participants so imagine how much energy and enthusiasm circled the air in LA with over 8000 attendees at WE14! Next year, WE15 will be held in Nashville, TN from October 22-24, 2015 and (get ready), WE16 will be held in our very own PHILADELPHIA!

The Annual Conference is a great way to learn about best practices of other sections, hear from the women who are blazing trails for us to follow and is a wonderful opportunity to exercise leadership development opportunities. If you were ever thinking of putting that presentation together on a particular topic that interests you, now is the time to do it. Our Region E Conference Planning Committee is seeking presenters for the Region E Conference on February 20-22, 2015. The deadline to submit your abstract is November 3rd!

I would like to congratulate our Section for receiving the Outstanding Communications Award! SWE Philadelphia was recognized at the Celebrate SWE! Banquet on Saturday night along with the Drexel and University of Pennsylvania Collegiate Sections as well as our Collegiate Director, Nicole Woon who received the 'Outstanding Collegiate Member' Award. **CONGRATULATIONS TO ALL!**

We have a new addition to our SWE Philadelphia board! I would like to welcome **Sharon Vuong** who will be joining our Section as the new Webmaster. If you are looking to get more involved, we have an opening for the new Philadelphia Science Carnival Chair; contact Mary Beth at phila_outreach@swe.org to learn more.

We've had a great year so far and it's only October! Many exciting events are planned for the next few weeks including our Lean In event on November 6th, a partnership with the Association of Women in Metal Industries, which will be held at Quaker Chemical in Conshohocken, PA. We also have an event with Johnson & Johnson and their Women's Leadership Initiative on November 10th in Springhouse, PA for those who want to learn more about 'Women in Quality, Engineering & Supply Chain'.

I hope to see you this fall!
Happy Halloween!
Tessa

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Submit Articles To:
newsletter@philaswe.org

SOCIETY NEWS

Renew your membership!

Final reminder that FY15 Society Dues are overdue. If you would like to continue your SWE support through membership, please renew today! This will ensure that you stay on Philadelphia's email lists to be up to date on events and happenings.

SECTION NEWS

Welcome to the FY15 Philadelphia SWE Officers!

Get to know some of our FY15 section officers! Check out the answers to these interview questions below to see what they have in store for our section this upcoming year and just get to know them!



Diana Russella, Co-Newsletter Editor

1) Who do you work for and what do you do?

I am a structural analysis engineer at The Boeing Company's Ridley Park location. I have primarily worked on assembling and analyzing finite element analysis (FEA) models for aircraft structures to ensure safe flight. My software of choice has been Abaqus, but I am working to gain experience with other types of structural analysis based software internal to Boeing.

For the 2014 year I have taken a hiatus from structural engineering to focus my time on a knowledge management project I have become the enterprise focal for. I am leading a cross-functional team consisting of Engineering, Information Technologies, Knowledge Management and Learning, Training & Development to provide a standardized method of transferring knowledge via video within The Boeing Company.

In 2015 I plan to split my time between the two assignments since I love both endeavors and can't give either up!

2) What is the most interesting project you have ever worked on?

My most interesting project has to have been performing the tire burst analysis for the 787-9 Dreamliner's Aft Wheel Well Bulkhead. As an intern I began developing the methodology for the analysis and learning how to use the Abaqus software. When I returned as a full time employee after graduation

I was able to continue developing my FEA skills and understanding the impact of how the bulkhead is designed. Over the next two years I was able to complete the analysis and have the results published as proof that the aircraft could maintain safe flight under less than ideal circumstances. It is amazing to look back and see how much I learned about my company's product and the extent to which I was able to grow my engineering skills during this time.

3) Why do you stay involved in SWE?

I'm not going to lie, this is actually the first year I have really become involved in SWE, so instead I'm going to answer why after being a member for three years I finally started to participate. I never thought I had the time to include SWE activities into my schedule. After continuously seeing event notices I finally attended a mixer since it was close to my house. When I met all the amazing women involved in SWE, and heard more about the goals of the society, I decided that I wanted to be a part of this impressive and impactful organization. I wanted to grow my skills as a woman in engineering, I wanted to learn from other women in my field, and I wanted to help spread the word to other young ladies about how rewarding this type of career can be.

4) What are your hobbies?

I LOVE to exercise, but I never stick to the same routine. So far I've completed Insanity, Insanity Asylum, Les Mills Combat, and Shaun T's Rockin' Abs. When my schedule is more flexible I attend kickboxing classes, go for hikes (most recently I went to Shenandoah National Park in Virginia), and go running. Lately I've starting going to the gym to start weightlifting, and I just ordered Shaun T's T25 workout, which I can't wait to start! Needless to say, I have exercise ADD.

When I'm not exercising, I love to read, go to museums, sketch, and paint. As with most things in life, getting to do these things with family and friends makes it so much more enjoyable!

5) What is your favorite book/movie?

My favorite book is The Picture of Dorian Gray by Oscar Wilde. This novel highlights the superficial nature of society, the negative consequences of setting aside one's morals to focus on self indulgence and pleasure, and how by deceiving others, you can also deceive yourself. Oscar Wilde gets you to think about what's really important in life, and how your actions have a greater impact than you may realize, even when the results aren't immediately apparent.

6) Describe yourself in one word.

Bold!

Seeking Corporate Contacts

If you know someone in your company who is in charge of or interested in making donations to a philanthropic organization, please let the Society of Women Engineers Philadelphia Section know so that we may get in touch!

The Society of Women Engineers is a national nonprofit educational and service organization that aims to 1) engage female students of all ages in math, science, and technology and 2) to support the development of female engineering professionals in today's workforce. To that end, the Philadelphia section solicits donations and allocates the funds to scholarships and programs geared towards professional development and outreach.

New Website

For those of you who haven't seen it yet, Philly SWE has migrated our website. The new address is <http://philadelphia.swe.org/>. Take a look!

Do you shop on Amazon? You could be missing an opportunity to help SWE!

Amazon has a feature called Amazon smile. All you have to do is use a specified link when signing in to Amazon to shop like always and Amazon donates money to the organization you specify. If you shop on Amazon but use the link <http://smile.amazon.com/ch/23-2604522> to log in 0.5% of the price of your purchase will be donated to Philly SWE! It only takes one click and then Philly SWE gets extra money to host events for you!

UPCOMING EVENTS

NJ/PA SWE & WLI Regional Networking Event for Professionals & Students

Date: November 10, 2014

Time: 5:30-8:30 pm

Where: 1400 McKean Road, Springhouse, PA

RSVP: RSVP to rsvp@philaswe.org by 05OCT2014. Please bring a photo ID to the event.

Details: J&J is hosting an exciting evening of networking with Women Leaders and Members of the Johnson & Johnson Talent Acquisition Team to discuss career opportunities, tips, and advice to guide you in your professional journey.

Women in Science and Technology Summit - Pathways to Change

Date: November 12, 2014

Time: 8:15 AM-2:30 PM

Where: Conference Center at Mercer County College, West Windsor, NJ

Details: Our very own President, Tessa Anodide, will be on one of the panels focused on Leadership Development! Feel free to contact Tessa at phila_president@swe.org if you have any questions.

RSVP: https://rutgers.qualtrics.com/SE/?SID=SV_88m9fGlnsXkVqKx

Family Discovery Night

Date: November 13, 2014, 5:30-7:30pm

Location: Leadership Learning Partners Charter School in Northern Liberties area of Philadelphia

Details: Family Discovery Night introduces elementary, middle and high school students & families to various science related activities! The school is requesting participants to volunteer their time to present engaging activities to their students and families, or simply talk about what SWE is and how it has helped them. The event is not formal and geared to inspiring enthusiasm young minds. Please contact Mary Beth at phila_outreach@swe.org if you have interest in attending this event.

Yoga with Philadelphia and UPenn SWE - Save the Date

Date: November 16, 2014 (Sunday)

Time: 11:00 AM

Where: University of Pennsylvania Irvine Auditorium, Café 58

Cost for Philadelphia SWE: \$15, includes yoga class and lunch!

What to bring: Yoga Mat and water. And wear comfortable work out clothes!

RSVP: You need to do 3 things to RSVP by November 14, 2014: 1) Send an email to phila_rsvp@swe.org, 2) Pay via Paypa: https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=448WMTVD88LAN, 3) Fill out the following form for your lunch order: <https://docs.google.com/forms/d/1wSTIZoXHlpBqV1Dt-9saLHAz0fkX34O50XRmxrOGKBQ/viewform>.

Villanova University SWE Annual Networking Dinner

Date: November 18, 2014

Location: Villanova University

RSVP date: November 8, 2014

Details: Join Villanova University SWE for its annual Networking Dinner! More details will follow, but please contact Mary Beth at phila_outreach@swe.org with interest!

Widener Engineering Mini-Camp - Save the Date!

Date: February 7, 2015

Time: 9:00 AM-4:00 PM

Where: Widener University, 1 University Place, Chester, PA

Details: Please join the Philadelphia professional section and the Widener collegiate section of the Society of Women Engineers (SWE) for the Engineering Mini-Camp for high school girls. This event is for girls and their parents to come learn about engineering. The girls do hands on activities and speak with a panel of engineers. A request for volunteers will be sent closer to the event. For more information, see the website or contact Mary Beth at phila_outreach@swe.org:

<http://www.widener.edu/academics/schools/engineering/outreachprograms/hsgirlsminicamp.aspx>

Philadelphia Math and Science Coalition STEM Tutoring Volunteer Opportunity

The Philadelphia Math and Science Coalition is partnering with RSVP of Montgomery County to provide both classroom or online volunteer STEM Tutors for the 2014-2015 school year at Kensington Health Sciences Academy in Philadelphia. For more information or to register contact Eric Langenmayr at ejlangen@gmail.com (for classroom opportunities) or Margie Singer at margiemyfreetutor@rsvpmc.org (for online opportunities). Or visit myfreetutor@rsvpmc.org

Souderton Area High School Mentoring Opportunity

Souderton Area High School is looking for mentors for girls interested in engineering! The school typically hosts speakers on Wednesdaymornings from 10:15-11:00 AM, but is also interested in job shadowing opportunities. The students have a particular interest in Chemical and Biomedical engineering, but would love to hear an overview of the field as well. Please contact Mary Beth at phila_outreach@swe.org with any interest in speaking with these students.

PREVIOUS EVENTS

Waterworks "Milling Around" Tour - October 18th

We had 36 people attend the Waterworks tour on Saturday, which includes 14 SWE Philly members with their friends and family. Through this tour, a Philly hidden gem was uncovered to us. We learned that next to the Liberty Bell, Waterworks was the top attraction to see in Philly during the early 20th century - who knew? Our tour guide, Ken, was very informative, and he even took us on a look behind the scenes to where a hidden Olympic training pool was used in the early 1960's before the facility was closed. Also, the children which attended the tour were able to participate in a fall leaf activity which is part of their Science Saturday series.



For those that were not able to join SWE Philly on the tour, the Fairmount Waterworks facility is a great facility to bring family and friends of all ages to learn about Philly's original fresh water source. Admission is completely free, and they are open every day except Mondays. For more info on the hours and address, please visit: <http://fairmountworks.com/>

Also, during our tour, we learned that this past April, the facility suffered a large setback - the facility flooded due to the Schuylkill River flood, which left a lot of mud and debris behind. Therefore, to help with clean up efforts and to keep their education programs running, which includes a large expansion project over the next few years of their museum space, donations of any amount are greatly appreciated. Please click on the link for more information: <http://fairmountworks.com/support/>

MEMBERSHIP ANNOUNCEMENTS

Do you have exciting news to share? It could be anything from graduations to birthdays, engagements to professional accomplishments. Email the [SWE Newsletter Editors](#) with your exciting news!

OFFICER CONTACT LISTING

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Widener Counselor	MaryAnn Skehan	maryann.b.skehan@boeing.com
Messiah SIG Counselor	OPEN	

Open Officer Positions

We have an open officer position that needs filling for the FY14 year due to the transitioning of some of our members. Taking on an officer role is a great way to get more involved in the section and have an impact on the decisions made. Feel free to contact Mary Beth (outreach@philaswe.org) if you are interested for more information.

Philadelphia SWE is looking for a Science Carnival Chair!

Science Carnival chair is responsible for the planning and organizing of the SWE Philadelphia booth during the Philadelphia Science Festival Carnival that occurs in late April/early May. There are regular planning meetings (approximately monthly) beginning in September, organized by the Science Festival that the chair should attend. The chair will select this year's activity, recruit volunteers for the event, train the volunteers, and procure the supplies. The time commitment is one hour per month Sept-Feb, and then additional hours of more intense planning in March/April. Please contact Mary Beth with additional questions or interest at phila_outreach@swe.org.

SOCIETY OF WOMEN ENGINEERS
PHILADELPHIA SECTION, REGION E

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www.philaswe.org
info@philaswe.org

UPCOMING EVENTS

November	
November 10 th	J&J Networking Event
November 12 th	Women in Science and Technology Summit
November 13 th	Family Discovery Night



Mission: Stimulate women to achieve full potential in careers as engineers and leaders, expand the image of the engineering profession as a positive force in improving the quality of life, demonstrate the value of diversity.

The Philadelphia Section was one of the original chartering sections of SWE, chartered on May 27, 1950.