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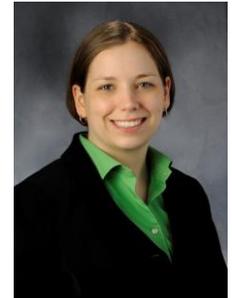
Contributing Authors:

Amanda Weissman
Cassie Zook
Liz Henning
Jessi Kaestle

Editor:

Diana Russella

LETTER FROM THE PRESIDENT



I hope you had happy holidays and were able to take some time off to spend with family and friends. We are entering the second half of this fiscal year and the Officer Board will be having a Mid-Year Planning meeting the end of this month to finalize plans for events this year. Spring is always one of our busiest times, and one of my favorites. We have a lot of K-12 Science, Technology, Engineering, and Math (STEM) Outreach activities we participate in. I have a passion for STEM Outreach because it's through a girls' engineering summer camp that I discovered engineering. Before that, I had never met an engineer or even heard of it. I know firsthand the impact these activities have on young girls and am proud that our section can inspire hundreds of young girls to consider STEM careers.

Our outreach activities this year include girls camps at local universities, science fair judging, presentations of high school awards, Girl Scout events, scholarships, Philadelphia Science Carnival, and more. If you have not had the chance to attend an event yet, this is a great opportunity since many of the events are in different parts of the region and some you can help with virtually. If you have questions about Outreach activities, feel free to contact our Vice President of Outreach Tori Morgan at phila_outreach@swe.org. At the Society level, SWE has rolled out a new program for students under the age of 18 to learn about STEM. SWENext (<http://societyofwomenengineers.swe.org/swenext>) is free to join, so encourage young girls to check it out!

My second favorite activity during the second half of the year is the Region E Conference. This year it will February 19 - 21 in Newport News, Virginia. It always feels like a reunion to me where SWE members from around the region get together to network, learn from each other, and have fun. If you've never attended a conference, this is a great first one since it is smaller and is great practice to make the most of the 2016 Annual Conference in Philadelphia! Registration closes soon on February 6th so be sure to sign up: <http://www.sweregioneconference.org/>. If you plan on attending, please fill out our SWE Philadelphia survey <https://www.surveymonkey.com/r/MZ69FMC>. We had a great section get together at this year's Annual Conference and if there is interest, we will do it again at Region Conference. We will also help coordinate carpools and hotel roommates if they are needed.

Finally, I'd like to recognize Elisha Rios, the woman behind the scenes planning our events. As VP of Professional Development, Elisha sets the calendar and organizes the majority of our events. She works tirelessly and executes spectacularly successful events that we all enjoy. Thank you Elisha! I can't wait to see what you have in store for us the rest of this year.

Thanks!



Amanda Weissman

WELCOME NEW MEMBERS

The Society of Women Engineers is constantly growing and welcoming new women engineers in all stages of their careers. Here are the recent newcomers to the SWE Philadelphia Section.

Name	Membership Type
Clare Allsopp-Shiner	Collegiate
Christa Basilevsky	Professional
Tianjiao Cai	Professional 1st Year After Graduation
Philip Dames	Professional 1st Year After Graduation
Emmeline Douglas-Mann	Collegiate
Haydee Euceda	Professional
Devon Geyer	Professional
Kimberly Harrison	Professional
Shayna Hilburg	Professional
Maeve Kenny	Collegiate to Career
KyungIn (Julia) Kim	Collegiate
Lily-An Korbeil	Professional
Mary Lewis	Professional
Julia Lin	Collegiate
Taj Meyer	Collegiate
Grace Newman-Lapinski	Collegiate
Rebecca Salvadore	Professional
Ashlee Smith	Professional 1st Year After Graduation
Julie Timm	Professional
Rachel Xu	Collegiate
Xinyue Zhang	Collegiate



SOCIETY NEWS

FY16 Region E Awards

FY16 Region E award applications are due by February 1, 2016!

The FY16 Region E Awards packet is now available on the Region E [website](#). The Region E Awards Program consists of the Outstanding Collegiate Section Award, the Communication Media Award, the Governor's Choice Award, the Outstanding Mentor Award, and Membership Awards. For more information about individual award criteria and requirements, please see the awards packet. Applications are due by February 1, 2016.

Please send any questions about the awards program to [Region E Awards Committee](#).

Regards,

[Region E Awards Committee](#)

Call for Nominations for FY17 SWE Region E Positions

It is time to identify and nominate potential candidates for FY17 Region E Positions. **The deadline for professional officer nominations is January 20, 2016, while collegiate officer nominations are due February 1, 2016.** The Region E nominating committee is charged with the responsibility for selecting at least one qualified candidates for each of the following positions for FY17:

Professional Officer Openings:

- Lieutenant Governor
- Treasurer
- Secretary
- Professional Senator
- Alternate Professional Senator
- Region E Nominating Committee Chair
- Region E Representative to the Society Nominating Committee

Collegiate Officer Openings:

- Collegiate Senator
- Region Collegiate Representatives (2)
- Region Collegiate Communications Editor

The nominating committee is responsible for insuring that qualified candidates are placed on the ballot; however, identifying SWE's future leaders is everyone's responsibility. Our Region has many members who are interested in leading us forward. It is the responsibility of all of us to see that they are considered for the Region's elected offices. Self-nominations are permitted and encouraged. We look forward to receiving your recommendations.

Position details and application forms were sent to members in the e-mail titled *SWE Region E FY16 Awards Program & Call for FY17 Region Officer Nominations*, and are available on the [SWE Region E website](#).

Be a Constant Force – Present this October in Philadelphia

SWE is now accepting [presenter applications](#) for the WE16 Annual Conference, which will take place Oct. 27-29, 2016 in Philadelphia, Pennsylvania, USA. More than 350 sessions were presented at WE15 in Nashville, Tennessee.

Join the list of engineering thought leaders and become a session presenter at WE16. As a presenter, you will have an outstanding opportunity to share your expertise and support the advancement of women engineers.

If you are interested in participating as a presenter at WE16, [apply here](#).

[Read more](#) about the submission guidelines. **The deadline for submissions is March 11, 2016.**

Check out WE15 and previous WE conference presentation content on [SWE's SlideShare page](#).



Photos from WE15!

SECTION NEWS

Save the Date – 2016 Region E Conference



The 2016 Region E Conference, “Under the SWE,” will be held in Newport News, Virginia, February 19th – 22nd, 2016. Please visit the Region E Conference website for conference and registration details: <http://www.sweregioneconference.org/>.

2016 Philadelphia SWE Scholarships

2016 Philadelphia SWE Scholarships are now open. Please visit the scholarship page to apply <http://philadelphia.swe.org/scholarship.html>.

For more information or questions, please email the Scholarship Chair philaswescholarships@gmail.com

Philadelphia SWE Member Incentive Program

Purpose: To encourage Philadelphia SWE members to increase participation

Goal: Reward most active Philadelphia SWE member with a paid membership (or prize of equivalent value for Life Members or those who have membership paid for by employer)

Structure: Each event type is associated with a point value (social=5 points, professional development=10, outreach=15). When a Philadelphia SWE member attends an event, he or she is awarded the appropriate point value; these points will be recorded by a Section Representative (Cassie Zook for FY16). On 04/15/16, the points will be summed; the member with the most points will have his or her SWE membership renewed by the Section.

A Philadelphia SWE member who plans an event will receive double the point value listed on the schedule.

Bonus Communications Points: 1 point for each post on social media (up to 10 points) – must include hashtag #PhilaSWE

Sharpen Your Job Seeking Skills as a Professional

Do you have experience recruiting for your company (have conducted interviews and/or reviewed resumes)? If so, we need your help for our next event in March! We are putting together a peer to peer event to help those in our section that are looking to polish off their resume or sharpen up on their interviewing skills. If you have this experience and are interested in helping your fellow SWE colleagues, please email: phila_profdev@swe.org

Open Positions – Philadelphia SWE

Part of what makes the Philadelphia SWE section so great is the amazing participating of our members who keep it running like a well oiled machine. Read the open positions available for our section to see how you can get involved in FY16!

Awards Banquet Chair

Plans and organizes the SWE Philadelphia End of Year Banquet.

Bryn Mawr Collegiate Counselor

The Bryn Mawr Collegiate Counselor is the liaison between collegiate section, industry, faculty advisor and all levels of SWE; it is your job to know the SWE rules & bylaws and help others become knowledgeable. Coach the collegiate section by providing advice and resources on SWE, speakers, industry, etc. Work with faculty advisor to ensure section is in good standing with university. Ensure the section is in good standing with SWE HQ (see next slide). Encourage award and scholarship applications and collegiate member participation at regional and national levels. Encourage graduating students to transition to professional SWE membership and stay involved.

If you're interested in any of these positions, please send an e-mail to Amanda Weissman at phila_president@swe.org.

Event Coordinators Needed – Help Plan an Event with PHL SWE!

Are you interested in helping to plan a tour, technical talk or social for SWE Philadelphia in the upcoming months?

- We are looking for 1 volunteer for each event to finalize event dates & details and to act as the SWE lead working with event partners (i.e. meeting location and other partner groups participating in the event, if applicable).
- Responsibilities include: working under the direction of the VP Professional Development (Elisha Rios) to communicate with partners to set up event, finalize event logistics with the meeting coordinator (Erica Green) and to attend the event & provide a copy of the attendance list to SWE officers.
- Time estimated to plan an event is ~1-2 hours total.

If interested, please email Elisha (VP Professional Development) at: phila_profdev@swe.org

Stay up to date with SWE PHL through social media!

Website: <http://philadelphia.swe.org/>

Find the latest events, add our google calendar, and learn about volunteer opportunities

Facebook: www.facebook.com/philaswe

See past event photos, upcoming events and interesting articles - *Did you see the photos of the panel?!*

Twitter: @PhilaSWE

Join in the conversation, event reminders and photos! #PhilaSWE!

Instagram: @PhilaSWE

Share your SWE memories with us and check out photos from this year's events!

LinkedIn: www.linkedin.com/grp/home?gid=4173718

Show your colleagues your professional interests by joining the SWE Philadelphia group and find professional opportunities shared with SWE through our network

Philadelphia SWE Member Spotlight

Check out the answers to these interview questions below to see what they have in store for our section this upcoming year and get to know them a bit better!



Jessica Kaestle, Mechanical Engineering

1) Where do you work and what do you do?

I work as a consultant at Merck as a Project Manager for their Supplier Initiated Change Controls. In short I am responsible for seeing through the change in a compliant manner.

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

At a previous job I was the Subject Matter Expert on a brand new Powder Transfer System. The system would take bags of ~10,000Kg of powder and vacuum the powder up to the top of a 15,000L a tank and dump it in to the tank in small bursts. Working out all the kinks in that system to get it to work properly was definitely a challenge but a fun one.

3) What is your favorite SWE event that you've attended in the past year?

This year I was able to attend the SWE Conference in Nashville. Going to the conference as a professional is different than as a collegiate but I still had a blast and was able to definitely learn a lot.

4) What is the most influential book you have ever read?

I have always had a soft spot in my heart for British humor so from the first time I read the book I have always loved The Hitchhikers Guide to the Galaxy. In addition to being a fun book to read it also has a way of sprinkling morals and logic in there as well.

Philadelphia SWE Technical Spotlight

Learn more about where your fellow SWE Philadelphia members work in the Greater Philadelphia area!



Liz Henning, Biomedical Engineering

1) What company do you work for and what do you do?

I work for the McKay Orthopaedic Research Laboratory in the Perelman School of Medicine at the University of Pennsylvania. As the manager of research projects I am responsible for the management and maintenance of all departmental resources, facilities, and policies. In addition, I conduct research studies to analyze the viability and functional maturation of tissue engineered cartilage constructs.

2) What (did you study/are you studying) in college, and what types of engineering principals are the foundation to your degree?

I use a microscope-based unconfined compression tester to study the effect of various growth conditions on the functional maturation of engineered cartilage constructs. Images are acquired during compression and used to calculate strain. Strain is then used along with recorded load values to calculate the equilibrium modulus in distinct regions throughout the depth of each construct. With this method, I have been able to show that while some growth conditions can improve the mechanical properties of a whole construct, the central region can have significantly inferior mechanical properties, indicating a state of nutrient deprivation. The goal of these studies is to develop engineered tissues, with mechanical properties and composition that match native cartilage, for clinical applications.

3) If you could give advice to an undergraduate engineer studying in your field, what would it be?

Biomedical engineering consists of a broad array of subfields, so my advice for students is to find mentors working in the fields that interest you early on in your undergraduate career. Talk to these professionals about the work they do, why they do it, and what knowledge and skills are most valuable for the job. This will help you in deciding on a particular career path and what supplemental coursework might be necessary.

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 the world's largest advocate and catalyst for change for women in engineering and technology. We help members reach their full potential as engineers and leaders through networking, professional development and the shaping of public policy. And, we inspire young girls to become engineers and support them with scholarships. To that end, the Philadelphia section solicits donations and allocates the funds to scholarships and programs geared towards professional development and outreach.

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

SWE/AWIS Cooking Class & Demo

When: 6:30 – 9:00 PM, January 28th, 2016

Location: JNA Institute of Culinary Arts, 1212 S Broad St, Philadelphia, PA

Cost: \$22 per person, includes dinner and cooking demo of holiday themed dishes

Happy New Year! Please consider joining members of the Philadelphia sections of SWE and AWIS (Association for Women in Science) for a hands-on cooking demonstration and class. Instructors from the JNA Institute of Culinary Arts will be guiding us through the preparation of a three course meal. Registration for the event will be capped at 30 attendees (15 per organization) and is limited to SWE and AWIS members only (no spouses, families, etc. unless they are also paid SWE or AWIS members).



SWE members should RSVP [here](#).
AWIS members should RSVP [here](#).

We hope to see you there!

Please note: The building is not handicap accessible since the demo kitchen is on the second floor and there is no elevator

Managing Different Generations – Virtual Telecon with LLC

When: 1:00 - 2:30 PM, Saturday, January 30th, 2016

Location: Telecon

In today's organizations we encounter four generations of workers: Gen X, Gen Y, Baby Boomer, and Traditional. The diversity represented by each unique group can make an issue of communication, collaboration, and motivation. As the generations continue to shift it will be essential for successful organizations to share and transfer knowledge between generations. We must first recognize the characteristics and values that are representative of each group. Join us for a virtual meeting led by SWE Leadership Coaching Committee (LCC) member, Gale Dryer as she discusses differences in work ethics, leadership styles, work-life balance, and views on education, money, and much more. Participants will also assess which generation they fit into, and discover it might not even be the generation they were born into. Note: This is a virtual meeting and there is no cost. Telecon info TBD.

Widener Girl's Camp

When: Saturday, February 6th

Location: Widener University

If you are interested in participating, make sure to get approved for volunteering well before the event!

Important information regarding volunteering:

If you are planning on volunteering for one of SWE's outreach events this year, there is a new requirement that ALL volunteers must get clearance by the state to work with minors. This means YOU! It is an easy process but must be completed before the event. Please visit the Keep Kids Safe website: keepkidssafe.pa.gov.

Painting with a Twist



When: 6:30 – 9:30 PM, Wednesday, February 17th

Location: 107 W Lancaster Ave, Wayne, PA 19087

Cost: \$35 covers all art supplies and aprons, as well as paper plates, napkins, cups, ice buckets, wine openers and a wine fridge for our use.

Join your fellow SWE Philadelphia colleagues as we tap into our creative skills for an evening of painting! This event is BYOB, so please bring your favorite drink and snacks to share! Parking is free after 6pm in Wayne. There is typically plenty of parking on Lancaster Ave, N. Wayne Ave or the large lot behind the Wayne Presbyterian Church. The event is open to SWE Philadelphia members and their friends / family. Please note that you must be 18 years and older to attend, and 21 or older to consume alcoholic beverages.

RSVP: <http://www.paintingwithatwist.com/events/viewEvent.aspx?eventID=633609>

2016 SWE Region E Conference



When: February 19-21st
Location: Newport News, Virginia.

Registration is now open: <http://www.sweregionconference.org/>. Please let us know if you are planning to attend! We will look into having a Philly SWE get together at conference; we are also putting together carpools and helping find hotel roommates if you are interested. (<https://www.surveymonkey.com/r/MZ69FMC>)

PREVIOUS EVENTS

SWE/NSBE Lightning Talks and Networking Dinner



SWE and NSBE held a joint event where speakers from both organizations presented talks on what they do in their jobs that have a local engineering impact on Philadelphia. Dinner was graciously provided by Urban Engineers and the event was well attended by both organizations. Attendees learned about local engineering projects that were recently completed, such as the design and implementation of the Dilworth Park

development, and upcoming projects such as the Reading Viaduct project. Another speaker presented an insider's view to what goes on behind the scenes at the Philadelphia Gas Works and how customers are served. The last speaker presented about public outreach efforts in Philadelphia to engage young people in STEM fields and make the populace scientifically literate even if they don't go into STEM fields. More information on volunteering and getting involved can be found at stemcityphl.org. Overall this was a very informative event and a great way to discover how engineering has an impact on your local environment!



MEMBER NEWS

Congratulations to Mary Beth Biddle for buying her first house!



Congratulations to Kathryn Rieger for getting married!



Congratulations to Erin Kiselica for her new job,
and good luck with her relocation!



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

OFFICER CONTACT LISTING

<u>FY16 Elected Officers</u>	<u>Name</u>	<u>Email</u>
Executive Council Voting Members		
President	Amanda Weissman	phila_president@swe.org
Vice President Outreach	Tori Morgan	phila_outreach@swe.org
Sr. Vice President Prof Dev	Elisha Rios	phila_profdev@swe.org
Vice President Communication	Julie Williams	phila_communications@swe.org
Secretary	Maria Legato	phila_secretary@swe.org
Treasurer	Sharon Vuong	phila_treasurer@swe.org
Section Representative	Mary Beth Biddle	marybethb422@gmail.com
Section Representative	Erin Kiselica	erin.kiselica@gmail.com
Section Representative	Cassandra Zook	crz333@gmail.com
FY16 Committee Chairs and Section Leaders		
Outreach Group		
Certificate of Merit Coordinator	Nicole Wilson	nicolecwilson@hotmail.com
Collegiate Liaison	Courtney Morgan	
Girl Scouts Chair	Elizabeth Rowland	erowland1824@gmail.com
Engineering Mini-Camp	Vicki Brown	vbrown@mail.widener.edu
Engineers' Club of Philadelphia Liaison	Erin Kiselica	erin.kiselica@gmail.com
Scholarship Coordinator	Diane Ess	phila_scholarship@swe.org
Science Fair Coordinator	Cassie Zook	crz333@gmail.com
Science Carnival Chair	Kathryn Rieger	kathryn@cogdes.com
FY16 Professional Development		
Corporate Liaison	Lynn Bresnahan	phila_coporate@swe.org
Meeting/Events Coordinator	Erica Green	phila_rsvp@swe.org
Awards Coordinator	Kathryn Rieger	kathryn@cogdes.com
Awards Banquet Chair	OPEN	
FY16 Communications		
Membership Chair	Jill Foster	phila_membership@swe.org
Newsletter Editor	Diana Russella	phila_newsletter@swe.org
Newsletter Co-Editor	Janelle Johnson	
Webmistress	Sharon Vuong	phila_webmaster@swe.org
Social Media Chair	Jennifer Ligo	jennifermligo@gmail.com
FY16 Collegiate		
Drexel Counselor	Elizabeth Henning	eah827@gmail.com
Swarthmore Counselor	Rebecca Rose	rebecca.snelling@gmail.com
Temple Counselor	Jenna Fink	
University of Pennsylvania	Amanda Weissman	amanda.weissman@swe.org
Villanova Counselor	Alisha Tricciola	alisha.trocciola@gmail.com
Widener Counselor	MaryAnn Skehan	maryann.b.skehan@boeing.com
Bryn Mawr Counselor	OPEN	

SOCIETY OF WOMEN ENGINEERS
PHILADELPHIA SECTION,
REGION E

PO BOX 1105
Norristown, PA 19401
<http://philadelphia.swe.org>
phila_membership@swe.org

UPCOMING EVENTS

January 28 th	SWE/AWIS Cooking Class & Demo
January 30 th	Managing Different Generations
February 6 th	Widener Girl's Camp
February 17 th	2016 Region E Conference
February 19 th – 21 st	2016 Region E Conference



Search SWE Philadelphia



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, demonstrating the value of diversity

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