Welcome 2016!

I hope you had a wonderful holiday season and that you are off to a good start to the year… maybe settling into your new years’ resolutions, getting ready for some real winter sports, or planning objectives in the office. Thanks to everyone who came out to our EC & members Christmas party, it was a highlight for me to be able to host SWE members over and get to know everyone better. And shoutout, Outreach Committee had a December first time event as a party-meeting combo with card-making, cookies and Outreach strategy discussion – thanks Kristy Porter for hosting! We’ve had a quick start to the year, and already hosted the SWE 2016 Career Expo & Networking event, providing an excellent chance for those seeking to hire / be hired, as well as technical networking. Thanks to Jesse Narr and Nikki Barelt for organizing. 2016 has a lot in store for us all, and an especially exciting calendar for SWE events!

I am continually impressed by the level of enthusiasm and high caliber of events output by the SWE-MN community. A great example is the teamwork and coordination coming from Megan Knoch-Dohlin and Jen Tsai leading the Outreach Committee. They have recently released a committee strategy centering around their core objectives, Maintain – Expand – Organize – Women – M.E.O.W! (It even comes with a graphic). A few of the events in planning currently are “Spark, Slime, Speed”, our signature E-week event 21-February, Tech Fest 27-February, and a slew of superhero themed mid-sized events; if you are interested in volunteering with us, then chances are we’ve got something in the works that will be a fit for you.

Save the date, the Professional Development committee has confirmed the date of Spring Seminar to be March 12th! Many thanks to 3M who will serve as this year’s host and sponsor. I really draw so much motivation from this event and I am so glad this year I will be able to attend.

Wishing you all the best for your personal and professional successes in 2016. Hoping that SWE can help you continue on your journey and hoping to see you at one or many of our upcoming events soon!

All the best,
Rachel Borchers
president@swe-mn.org
VP Spotlight

Happy 2016!

The New Year brings us into the challenges and fun of winter in Minnesota. Most of us are refreshed or exhausted from December, but now we have some great outreach events that can touch our whole community and of course our engineer holiday week - Engineering Week this year is Feb 21-27. We have 3 opportunities to celebrate E-week this year:

1. The Science Museum and the Society of Women Engineers invite visitors to celebrate during the Spark, Slime, and Speed event. With five interactive experiments representing different areas of engineering, the event will open kids’ eyes to the wonderful world of engineering and science on Saturday, Feb 21.

   - Pose with your favorite Superhero at the SWE/ General Dynamics Photo booth
   - Experiments = brushbots (spark), slime, Speed (spool racers), don’t sink the boat, and bath fizzies (slime)

2. MFEST is hosting the first E-week networking event on Tuesday Feb 23 at the Arden Hills Boston Scientific facility. Come in the evening to have snacks, meet members of all professional societies that are part of MFEST, and have a little fun celebration e-week.

3. Tech Fest is a massive, exciting, electrifying, and fun family event on Saturday Feb 27th at the Works Museum from 9 am to 4pm!

Contact volunteer coordinator to volunteer for one or both outreach events!

I look forward to seeing you at one or more of these events. :) Happy E-week to all of you.
REGISTRATION IS NOW OPEN!

https://www.uwplatt.edu/ems-success/swe-region-h-conference

WHEN IS THE CONFERENCE?

The conference will be held at

The University of Wisconsin-Platteville

on February 26th through February 28th, 2016.

WHY ATTEND?

The 2016 SWE Region H Conference is a great opportunity to learn and have fun for both students and professionals alike. During the conference, attendees will interact with regional leaders in engineering and have the opportunity to network with corporate sponsors as well as fellow SWE members.

Through breakout sessions and speakers, you will gain up-to-date knowledge about the engineering industry, keys to success, personal accounts from women engineers, and where the future of engineering is headed.

FOR OUR STUDENTS?

Along with networking at the keynote lunch, undergraduate and graduate students will attend an engineering-focused career fair. An awesome opportunity!

Your Section Representatives (Lauren Kelly, Kim Miller, Melissa Stiegler, Patricia Walker)
Mark your calendars for this year’s
SWE-MN Professional Development Spring Seminar

Date: Saturday March 12th, 2016
Location: 3M Campus, Building 224, Maplewood MN

Attend session tracks targeted to various career levels and network with fellow STEM professionals.

Keep an eye out in the next few weeks for Registration on swe-mn.org

Aspire. Advance. Achieve
Outreach Recap—Junior Girl Scout Badge Event

Junior Girl Scout badge event was a success with over 100 girls attending the Superhero Engineer themed event.

Quotes from the Girl Scouts
“Engineers are like Superheroes”
“There are a lot of different engineers and they all help to make the world a better place”
1. Polaris Event recap
   - The second mid-sized event sponsored by Polaris was a success with 25 girl scouts learning how engineers are real day superheroes through hands-on experiments.
   - Thanks to all Polaris and the volunteers who made this happen!

2. DaVinci Fest recap – 1/9/16

3. Hudson, WI STEM coming up
   - Hudson Middle School is proudly hosting its 4th annual Women in S.T.E.M.+ (Science, Technology, Engineering, Math, plus Applied Arts). This event is dedicated to celebrating women in S.T.E.M. + careers and empowering young women to explore their interests. I would like to invite you, as a S.T.E.M. + professional, to speak to the young women about your education and career path. You will serve as a role model and provide key insights into the successes and challenges of working in a traditionally male-dominated field. The event will be hosted in the Hudson Middle School multi-purpose room on February 8th 2016. Each professional participant of this event will be asked to bring a hands on activity and/or display in order to engage (K-12) students in learning more about your profession. You will be provided a table and chairs for your display area, as well as tasty appetizers. If you need any other accommodations for your display, please do not hesitate to ask.
   - Still looking for some volunteers!
   - 2/8/16 in Hudson, WI contact volunteer coordinator to volunteer!

4. SSS coming up
   - National Engineers Week happens in February of each year. The Science Museum and the Society of Women Engineers invite visitors to celebrate during the Spark, Slime, and Speed event. With five interactive experiments representing different areas of engineering, the event will open kids’ eyes to the wonderful world of engineering and science.
   - Pose with your favorite Superhero at the SWE/ General Dynamic(?!) Photo booth
   - Experiments = brushbots (spark), slime, Speed (spool racers), don’t sink the boat, and bath fizzes
   - 2/12/16 at the Science Museum
   - Contact volunteer coordinator to volunteer!

5. Tech Fest coming up
   - Tech Fest is a – massive, exciting, electrifying, and fun! – family event.
   - Saturday, February 27, 9 a.m. – 4 p.m. at The Works Museum
   - Contact volunteer coordinator to volunteer!

6. Outreach FY16 Plan (MEOW)

7. Save the date for WOW! That’s Engineering – 4/9/16
Outreach—Spark Slime Speed

Spark Slime Speed
@ The Science Museum
of Minnesota
Sunday February 21st
12 pm – 4pm

Kick off Engineers Week with SWE’s annual signature event at the Science Museum. Come and volunteer for this great opportunity to educate over 800 youth from the Twin Cities about engineering! Kids of all ages will learn about different areas of engineering through various experiments. This is always a great event, and is only possible with volunteers like you!

Volunteer Info:
Sign-up: http://vols.pt/tjesG3
Or email: volunteer@swe-mn.org

Free parking, admission to the museum, T-shirt & snacks

Questions? Contact Jen: outreachswmn@gmail.com

Thank you to our event sponsor:
GENERAL DYNAMICS
Advanced Information Systems
SWE-MN OUTREACH
FY16 MEOW TACTICAL Plan

- Maintain expected committee activities
  - Support signature and large events
- Expand our reach
  - Target new schools and demographics with Superhero Engineers events
  - Develop young adult program to motivate young engineers to stick with engineering
- Organize
  - Organize the storage locker, outreach website, and experiment instructions
  - Develop event tracking tools
- Women
  - Committee centered around teamwork and having fun!

WOMEN IN
S.T.E.M. +
SCIENCE, TECHNOLOGY, ENGINEERING, MATH, APPLIED ARTS.

Hudson Middle School is proudly hosting its 4th annual Women in S.T.E.M. + (Science, Technology, Engineering, Math, plus Applied Arts). This event is dedicated to celebrating women in S.T.E.M. + careers and empowering young women to explore their interests. I would like to invite you, as a S.T.E.M. + professional, to speak to the young women about your education and career path. You will serve as a role model and provide key insights into the successes and challenges of working in a traditionally male-dominated field.

The event will be hosted in the Hudson Middle School multipurpose room on February 9th 2018. Each professional participant of this event will be asked to bring a hands-on activity and/or display in order to engage (K-12) students in learning more about your profession. You will be provided a table and chairs for your display area, as well as tasty appetizers. If you need any other accommodations for your display, please do not hesitate to ask.
Section Honors—Celebrate SWE

The SWE-MN section received 2 awards at this year’s Celebrate SWE. They include
- Motorola Multicultural Award
- Professional Development Program Award

Awards Update

SWE Awards
Submissions are coming due very soon. If there are any questions please contact Stephanie Fasen. Below is some information regarding the awards.

SWE Awards
SWE awards are available for individuals and events at the national and regional level. The deadline for submissions seems far off, but completing the packets can take some time. SWE-MN has a strong history of great leaders and outstanding events. Let’s start the conversation now – this could be your year!

“You may encounter many defeats, but you must not be defeated. In fact, it may be necessary to encounter the defeats, so you can know who you are, what you can rise from, how you can still come of it.” – Maya Angelou
Alyse Stofer Honored

Alyse Stofer Named Technical Summer Associate Supervisor of the Year

By Molly Wilde

Congratulations to Alyse Stofer, Sr. Engineering Manager, for being awarded the 2015 Technical Summer Associate Supervisor of the Year.

Stofer was selected for the annual recognition based on the nomination of her summer associate, Amanda Williams (Duke University, Master of Engineering Management).

Williams’ submission acknowledged that many supervisors oversaw meaningful experiences for their interns, but that Stofer went above and beyond by demonstrating clear “devotion to her interns’ career growth.” Williams said, “I never expected the magnitude to which she would help me.”

Stofer’s support, detailed by Williams, ranged from personally arranging informational interviews with counterparts across Medtronic to supporting Williams’ networking activities and providing timely feedback regarding project work.

“Alyse has been an incredible manager ... With her encouragement and dedication to her personnel’s success, she truly deserves the Supervisor of the Year award.”

Thank you, Alyse, for modeling “Dream. Inspire. Lead.” across the organization. Congratulations on this well-deserved recognition.

Alyse Stofer serves Global SWEnet as Vice Chair. She also sits on the board of AAES and is a former SWE President.
Scholarship Update

The Minnesota Section of the Society of Women Engineers is pleased to announce our

Section and Corporate Partner Scholarships for Fall Semester 2016

We are offering thirteen tuition-based scholarships for women students in engineering and computer science at schools in Minnesota, North Dakota and South Dakota.

A copy of the application form for all scholarships offered through our SWE-MN program can be downloaded from our website, www.swe-mn.org. Instructions are included on the last page of the application; please follow them carefully. Application for any of the thirteen scholarships in our program is made on this single application form.

We encourage electronic submission of application materials. Electronically submitted applications must be sent by midnight on March 15, 2016; mailed applications must be postmarked no later than March 15, 2016.

All applications for these scholarships are judged by a committee of Minnesota SWE professionals who represent different fields of engineering. Applicants are judged on the basis of their potential to succeed in an engineering career; their communication skills; their involvement in extracurricular or community activities and leadership skills shown in those activities; their demonstrated work experience and success; and their academic success.

Recipients will be notified by May 1, with the scholarship monies issued for Fall Semester 2016. A list of recipients will be available on our website shortly after May 1. Recipients will be recognized at the Minnesota SWE Section awards banquet, date and location to be announced.

Please help us to bring these scholarships to the attention of all women engineering and computer science students in Minnesota, North Dakota, or South Dakota by passing this announcement along to any faculty, staff, counselors, and students who you know at these schools!

If you have questions about SWE or our scholarship program, please contact us at scholarships@swe-mn.org.

Banner Engineering Scholarship

- One $2,000 scholarship for a student of mechanical or electrical engineering.
- Banner Engineering is the sensor market leader with the broadest line of products and solutions in the nation. For more information, visit www.baneng.com.

Barr Engineering Scholarship

- One $1500 scholarship for students of civil, waste water, structural, environmental, construction, or mechanical engineering.
- Barr Engineering Company is an employee owned consulting firm providing engineering and environmental services to industrial clients in power, mining, refining and manufacturing, and to attorneys, government agencies and natural-resource-management organizations. Barr’s more than 700 engineers, scientists and technical specialists help clients develop, manage, and restore natural resources across the Midwest, throughout the Americas, and around the world. For more information, visit www.barr.com.
Scholarship Update Continued

Boston Scientific Scholarship
- One $1,000 scholarship for a student of biomedical, chemical, mechanical, electrical engineering, or computer science.
- Boston Scientific is a worldwide developer, manufacturer and marketer of medical devices who, for more than 25 years, has advanced the practice of less-invasive medicine by providing a broad and deep portfolio of innovative products, technologies and services. For more information, visit www.bostonscientific.com.

GE Women’s Network Engineering Scholarship
- One $1,500 scholarship for a student of aerospace/aeronautical, electrical, mechanical, or computer engineering, or computer science.
- The GE Women’s Network supports the professional development of women working at GE by sharing the wisdom of successful women role models: http://www.ge.com/careers/culture/diversity/womens-network. GE works on things that matter: the best people and technologies taking on the toughest challenges, to find solutions in energy, health and home, transportation and finance.

Hormel Foods Scholarship
- Two $1,000 scholarships for students of chemical, mechanical, electrical, civil, industrial engineering or industrial technology.
- Hormel Foods is a multinational manufacturer and marketer of high-quality, brand-name food and meat products for consumers throughout the world. For more information, visit www.hormelfoods.com.

Medtronic SWEnet Scholarship
- Three $2,000 scholarships for students of biomedical, chemical, mechanical or electrical engineering.
- SWEnet is a professional network of Society of Women Engineers members who work at Medtronic, the global leader in medical technology, working to change the face of chronic disease. These dedicated women have donated their time and talents to create this scholarship opportunity. For more information, visit www.medtronic.com.

SEH Scholarship
- Two $1,000 scholarships for a student of civil engineering.
- SEH is an employee-owned engineering, architectural, environmental, and planning company that helps government, industrial, and commercial clients find value-added solutions. SEH has a company-wide commitment to improving the quality of life by designing safer, more sustainable infrastructure for local, state and federal units of government, and helping industrial and commercial clients achieve their business goals. In short, SEH is focused on Building A Better World for All Of Us(R). For more information, visit http://www.sehinc.com.

UTC Aerospace Systems Scholarship
- One $1,500 scholarship for a student of aerospace, mechanical, electrical, industrial, or manufacturing engineering.
- UTC Aerospace Systems is one of the world’s largest suppliers of technologically advanced aerospace and defense products. Our customers include original equipment manufacturers that build aircraft and helicopters, engine manufacturers, and airlines, as well as defense agencies and contractors. Our commitment is to help them develop and maintain safer, lighter, more reliable and more efficient aircraft and other platforms. For more information, visit www.utcaerospacesystems.com.

The Minnesota Section Scholarship
- One $1,500 scholarship for a full time woman student entering her junior or senior year of an accredited engineering or computer science program at schools in Minnesota, North Dakota, and South Dakota.
- This scholarship is funded by an endowment of the Minnesota Section of SWE.

THANK YOU to our corporate partners who have made these scholarships possible!
FY16 Sponsorship

SILVER

Boston Scientific
SEH
Medtronic

BANNER
Hormel Foods

BRONZE

GE Women’s Network
Aeotek
UTC Aerospace Systems (Goodrich)
Barr Engineering

For more information on how to become a SWE-MN Sponsor, check out our Sponsorship Opportunities here.
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Congrats to following SWE-MN Members:

Megan Knoch-Dohlin was promoted to Magnetic Flowmeter Product Manager
Lesley Farah welcomes new baby Cecilia Ann Farah