Welcome to the Society of Women Engineers at the University of Wisconsin-Madison. We are off to an exciting start of the year and are glad to have you as a part of our SWE team at the University of Wisconsin-Madison. SWE continues to be a highly active student organization on campus and is focused on promoting women in science and engineering. We host a variety of events based on our two main focuses: reaching out to the community to promote engineering to young women and preparing our members to be successful in their careers. Whatever your status is: student, company representative, community member, or SWE alumni we have an event for you and your interests. We encourage you to get involved today! Check out this newsletter for many of the great opportunities within SWE.

We hope to see you at our next event!

-Kim Miller
SWE President 2010-2011

Boeing

Boeing Team Tech at UW-Madison is committed to merging the technical capabilities of young women with the team work ethic and industrial experience necessary for future success. Since January 2010, Boeing has partnered with Mortenson Construction and General Heating and Air Conditioning to design a temporary heating system for use at construction sites during cold winter months – and has arrived at an innovative material solution to the problem. Throughout the semester, a diverse group of women in engineering researched existing designs, brainstormed potential solutions, and evaluated the merits and flaws of each – finally settling on a final design which addresses the client design specifications safely and cost-effectively. Through communication with and financial support from Mortenson, the team acquired materials necessary to fabricate this final design, and is in the process of testing heat stability, material strength, and steam compatibility with help from UW-Madison laboratory facilities and General Heating’s steam system expertise.

Members of the team have grown throughout this process, into a cohesive group that recognizes and compensates for potential technical problems, while staying productive, optimistic, and encouraging toward their fellow team members and industrial contacts. If you are interested in becoming an industrial sponsor for SWE’s Boeing Tech Team, our contact information is listed to your left, and rest is as easy as innovation delivered to your doorstep!

-Elise Larson

Are you a SWE Alumni?

We are looking to start a contact list of UW-Madison SWE alumni, to keep you in the loop on how things are going with SWE in Madison. We will send you our section newsletters and information on alumni-specific events. If you are interested in being on this list, please send Krystal Kraemer (kjkraemer@wisc.edu) an email. Also, if you know of other alumni who would be interested in this information, please pass this on to them.
Community Service

Get excited for Community Service!

We have done a great job at the College of Engineering Blood Drive! We collected 51 units of blood and surpassed our goal by 21 units! Thanks to all the volunteers who came and helped out. I hope that we will keep up the good work at the Spring COE Blood Drive!

We went to help out at the Halloween at the Zoo event at Vilas Zoo. We played with kids in the Fun House with activities including Pumpkin Carving, Face Painting and Reading Corner. Sounds fun? There are more! On Halloween weekend, we helped out at the Aldo Leopold Nature Center with their annual Fall Fest, which is an event for children and their parents to celebrate Halloween as well as learning more about creatures. October 30th, we went Trick or Treating for Canned Goods. We drove around collecting canned goods in a local neighborhood for Second Harvest Food Bank. It was a lot of fun! Later in November, we will be helping out at the Goodman community center sorting out food that will be distributed to local families for Thanksgiving.

I hope to see many of SWEsters get involved in these activities and there will be more opportunities to come!
-Helen Teng

School Outreach

This fall, there are many exciting outreach opportunities happening with SWE. Some activities happen once a month and others are one-time volunteer events. Here are a few of the things YOU can get involved with this semester:

**Girls Inc:** Once a month, a few volunteers from SWE visit this after-school program for middle school girls in the Kennedy Heights Community Center. We spend a few hours doing an engineering-related activity with the girls and teach them about possible career choices related to science and math. It is always so much fun and the girls love talking with us. The next visit will happen November 18th. Contact me if you are interested in joining us!

**Science Olympiad:** After taking a few semesters off from volunteering with Science Olympiad, we are excited to announce that we have been paired up with the EAGLE School here in Madison and will be working with them for the rest of this school-year. Science Olympiad is a national and state-wide competition that occurs in the spring for middle school and high school students. The competition consists of a variety of science and engineering related challenges that students are faced with and they spend the months leading up to the competition practicing weekly. We volunteer as mentors for them to aid in their success. The commitment involved is once a week preferably, or once every-other week if that is all you can do. Transportation is provided AND SWE gets paid for every hour each person spends volunteering! Feel free to send me an email if you would like to get involved or if you have any questions.

- Abigail Heimel

Girl Scouts

The Girl Scout Committee plans several events each semester. These include Badge Days and Computer Workshops. During the Badge Days, Brownie (grades 1-3) and Junior (grades 4-6) have the opportunity to learn more about science, math, and engineering through a variety of interactive, hands-on activities. During computer workshops troops learn about computer programs and internet safety. All the events are fun for both the participants and the volunteers.

Recently on October 23rd SWE held its first Junior Badge Day of the semester. There were 40 girls who attended and they earned three badges throughout the day. The badges earned were: Architecture, Science in Everyday Life, and Science Sleuth. With the help of volunteers from ASME, UW-Hybrid, and SWE the girls were able to do various fun activities. Some of these activities included: growing their own crystals, drawing a scaled room plan, and constructing houses in teams. Overall the day was successful and the girls and parents had a great engineering experience. SWE is planning another Junior Badge day on November 20th of this semester. This event is expected to have over 100 girl scouts here and this is a great leadership opportunity for SWE members. We are looking forward to this event and is hopefully as successful as this past one.

-Kristin Westphal and Sarah Switalski
Mentoring

Each semester SWE runs a Big Sib/Little Sib program matching freshman and sophomore engineering students with upperclassmen. It is a great way for little sibs to get advice on classes they are currently taking, which classes to choose in the future, finding an internship or co-op, or how to adjust to life as an engineering student in Madison. This fall we have eleven families of four to six girls in the program taking part in activities like study nights, apple picking, trips to the comedy club, and simply hanging out. The semester will end with an ugly sweater holiday party where the most involved family will win a prize. We’re looking forward to a great end to the semester with BSLS! -Wendy Wigstrom and Patti Geisler

Special Events

Special Events is off to a great start this year, creating connections between members and building relationships. We participated in this year’s homecoming, “Legends of Bucky Badger” with the American Society of Mechanical Engineers and had great success. We were just behind the Army in all events, but won our heat in the annual cardboard barge race pictured above. Other events we have coming up are waiting the new Harry Potter midnight show, ice skating, skiing, student/professor function, Engineer week, and the annual Brewer game trip. It should be a very exciting year with lots of events and friendships made! -Katie Kopcsynski

Freshman Committee

Freshman Committee is a new committee this year and is focused on helping freshman members become more active members of SWE and give them a chance to plan events. This committee is very focused on giving freshman leadership roles in planning events. So far this year there has been a great turn out at meetings and all the members seem very excited to be involved. We have started to plan two events: dinner and a movie and a holiday gift exchange. The dinner and a movie will be held November 11th, cooking will begin at 5 and dinner will be served at 6 with a movie to follow. The dinner will be Italian themed. This event is planned by the freshman committee it is open to everyone! We hope to see you there! -Avery Wine

Grad Affairs

Graduate Affairs provides undergraduates with information about graduate school and a forum for graduate students to meet and discuss current issues. Both groups are welcome to attend monthly Coffee Chats and participate in other activities. Graduate Affairs frequently partners with Graduate Women in Science (GWIS). In the past, the two groups have organized joint section meetings and brought in representatives from the Engineering Career Center to provide more information. This semester, Graduate Affairs is also looking for an officer for Spring 2011. Like Graduate Affairs itself, the officer position is open to all SWE members! -Anika Yanada Lonrentz
Let's Bring SWE Regionals to Madison in 2012!

That's right, UW-Madison SWE is bidding to host the 2012 Regional Conference right here in Madison, WI! The Region H conference brings together over 700 hundred SWE leaders from Wisconsin, Minnesota, Michigan, Illinois, Indiana, Iowa, North Dakota, and South Dakota. During this three day conference, attendees attend personal and professional development sessions, a career fair, social networking events, and local tours.

This is a great opportunity for our section, our members, and our sponsors. Our members can get involved by attending Regional Bid Planning Meetings, where conference themes, session ideas, and tour plans will be determined. In addition, volunteers are needed to help write and perform a short video/skit advertising our plan for the conference. This is a great way to get involved, gain leadership experience, and possibly have a hand in a future conference!

Our sponsors can get involved by contributing ideas for technical learning sessions, and by pledging to support our section's bid to host the Regional Conference. Benefits for sponsors include: a booth at the career fair, an opportunity to host a breakout learning session, participation in social networking events, conference registration for company representatives, and company name on the conference program, website, and t-shirt. For more information about sponsoring the 2012 Regional Bid, please visit: http://www.engr.wisc.edu/studentorgs/swe/Documents/Corporate%20Info%20FY11/SWE_Regional_Conference_Opportunities.pdf.

If you would like to get involved in the Regional Bid, or have any questions or suggestions, please contact Becky Kriger (rkriger@wisc.edu).

Fall Ball

Every fall semester SWE has a dance which acts as our main fundraiser. This year the winter dance will be held at Inn on the Park, which is located on the square. The venue overlooks the capital, and both Lake Mendota and Monona. The dance will take place on Friday December 3rd, 2010 from 8-12pm, there will be a DJ, cash bar and a lot of dancing and partying!

Tickets will be sold the week in advance in the Engineering Hall Lobby. You don't have to be in SWE, or even in engineering to come, so bring your friends and roommates with you! If you would like to help out with this event please contact Kim Pagel (kpagel@wisc.edu). We will need volunteers to sell tickets the week before and to check people in the night of the dance. Looking forward to seeing everyone on Friday December 3rd at the Inn on the Park for a fun night with SWE! -Kim Pagel

Evening With the Industry

Every year, SWE hosts their own career fair that is open to everyone in the College of Engineering. This event, called Evening with Industry (EWI), allows students to network with some of the same employers that attend the ECS spring career fair, but on a more personal level. The night includes a dinner (valued at $20), awards ceremony for scholarship winners, and raffle prizes donated by the companies. This event is only $12 for SWE members ($15 for non-SWE members), which is a great deal considering the wonderful dinner and the opportunity to network with company representatives. In recent years, we have had about 100 students and 25 companies attend EWI. This year, EWI will be Monday, January 31, 2011 from 5-9pm at the Pyle Center. Tickets for students will be sold a couple of weeks in advance in the Engineering Hall Lobby. Employers can register at http://www.engr.wisc.edu/studentorgs/swe/programs/EWI.php. -Alyssa Fenske and Bethany Frieders

ETC

This year for Engineering Tomorrow's Careers Camp, we are in the preliminary stages of planning for the camp which will take place June 12 – 17 2011. So far we have contacted several companies about activities during the week, but are still looking for more companies willing to donate their time. Last year's camp had about fifty high school students attend, which was the highest attendance thus far. We are looking forward to having as many or more students for this year's camp. As our planning continues throughout second semester, there will be more information on our plans. -Erin Schmid

Next Section
Meeting:
When Monday, November 15th 2010
Where: 1800 Engineering Hall
With: BP
We host numerous activities every year, but they are only possible with the generous donations from our company sponsors. Here are some of the many activities that we need support for:

- Girl Scouts Badge Days
- Day on Campus
- Engineering Tomorrow's Careers Camp
- Big Sib, Little Sib Mentoring Program
- Junior High Mentoring Program

If you or your company is interested in sponsoring SWE, contact Kirsten Cottam (kcottam@wisc.edu) or check out the Corporate Sponsorship section of our webpage: [http://www.engr.wisc.edu/studentorgs/swe/industry/sponsorship.php](http://www.engr.wisc.edu/studentorgs/swe/industry/sponsorship.php).
President: Kim Miller
kmmiller6@wisc.edu

Vice President of Internal Relations:
Krystal Kraemer
kjmaemrer@wisc.edu

Vice President of External Relations:
Kylie Dige
 diges@wisc.edu

Vice President of Communications:
Laura Zeitler
lzeitler@wisc.edu

Vice President of Outreach and Diversity:
Sophie Carmen
scarmen@wisc.edu

Grad Affairs: Anika Lohrentz
aylorentz@wisc.edu

Mentoring Co-Chair:
Patti Geisler
pgeisler@wisc.edu

Boeing Tech Team: Elise Larson
ealarson3@wisc.edu

Girl Scouts Co-Chair:
Sarah Switalski
sswitalski@wisc.edu

School Outreach: Abigail Heimel
heimel@wisc.edu

Community Service:
Helen Teng
xteng@wisc.edu

Evening With the Industry Co-Chair:
Alyssa Fenske
alfenske@wisc.edu

Evening With the Industry Co-Chair:
Bethany Frieders
frieders@wisc.edu

Regional Bid: Becky Kriger
rkriger@wisc.edu

Fundraising: Kim Pagel
kpagel@wisc.edu

Vice President of External Relations:
Kylie Dige
 diges@wisc.edu

Vice President of Outreach and Diversity:
Sophie Carmen
scarmen@wisc.edu

Grad Affairs: Anika Lohrentz
aylorentz@wisc.edu

Mentoring Co-Chair:
Patti Geisler
pgeisler@wisc.edu

Boeing Tech Team: Elise Larson
ealarson3@wisc.edu

Girl Scouts Co-Chair:
Sarah Switalski
sswitalski@wisc.edu

School Outreach: Abigail Heimel
heimel@wisc.edu

Community Service:
Helen Teng
xteng@wisc.edu

Evening With the Industry Co-Chair:
Alyssa Fenske
alfenske@wisc.edu

Evening With the Industry Co-Chair:
Bethany Frieders
frieders@wisc.edu

Regional Bid: Becky Kriger
rkriger@wisc.edu

Fundraising: Kim Pagel
kpagel@wisc.edu