LETTER FROM THE PRESIDENT

Happy 2008 to all SWE members from the SWE Philadelphia Section! As the New Year is already underway, I hope that you'll be able to take advantage of many professional networking and educational outreach programs we have planned with the Section. Through this issue of SWE Outlook, you will find the information you need to get involved.

In January, SWE Philadelphia is sponsoring our annual “Quality of Life” award for the Future City competition. This award is presented to the middle school team that best demonstrates a city design that provides services such as parks, walking and biking paths, while keeping with the theme of the ideal city of the future. Student teams not only use the SimCity software to design their layout, they also construct working models of their ideal future city. We have an opportunity to provide 2 or 3 members as judges for this award on Saturday January 26th at Villanova University – if you are interested, please contact me.

February brings the annual Engineers' Week and several day and evening events honoring and promoting our profession. The Delaware Valley Engineers’ Week Council and the Philadelphia SWE Section both have planned activities. This year, the Delaware Valley Engineer of the Year is Dr. Diane Dorland, Dean of Engineering at Rowan University and licensed P.E. She and others will be honored at the Engineers’ Week Banquet, Saturday February 23rd, at Drexel University Creese Center. Dr. Dorland has provided fantastic leadership to the Engineering program, established in 1996 at Rowan. She is also an outspoken advocate of engineering education and the changing needs of students and industry related to the profession. Please see the section website for details about the banquet and registration.

The section has worked with members of NSBE and SHPE in the Philadelphia area to organize a networking night and diversity panel with the Drexel University Office of Cooperative Education (that’s a mouthful!). On February 20th, we will begin at 6 p.m. with professional and collegiate networking at the Bossone Center. This will be followed by a speakers panel who will discuss Communication Skills, an essential part of engineers’ professional image. We’re happy the event is coming together after much work with NSBE and SHPE planning during the fall.

Members are strongly encouraged to provide financial support to this year’s Widener Girls Camp for high school students, and the section Scholarship program for collegiates. A little goes a long way in this regard – with 143 members, small donations really add up toward the programs we support. If you prefer to volunteer, consider leading or assisting one of the Girls Camp labs, or judging applications as part of the Scholarship Committee. Just contact Vicki Brown for the Widener event or Krista Pohl for Scholarship.

Jennifer Garner
SWE Professional Development Web Seminar
What You Should Know About Interacting with Executives
Rachel S. Hutter, Director of Facilities Systems & Processes for Walt Disney Parks & Resorts
Tuesday, February 2, 2008, 5 p.m. (EST)
REGISTER NOW!

Have you made a New Year’s Resolution to advance in your career? This Web seminar offers insights on how to be effective in both formal and informal interactions with key leaders in your company. What you don’t know can, and probably is hurting you from receiving the projects and visibility which can showcase your leadership abilities. Get an executive’s perspective on the criticality of content, phrasing, pacing and timing of conversations. This is information you need to know, no matter where you are in your present career.

2008 SWE National Conference
Volunteers Receive 50% Discount on Registration

The 2008 National Conference will be held from November 6-8, 2008 in Baltimore, MD. The 2008 theme is “Women Leading a Technical Revolution.” The Society of Women Engineers invites you to participate in the year’s largest and most comprehensive career advancement and professional development event for women engineers – WE08. The Baltimore section is looking for 250 volunteers to help with the conference. Professional members who volunteer will get 50% off of conference registration.

2007 SWE National Conference
Section Representative Meetings

Heather Bernardin, Danielle Mauz and Barb Faust attend the Mega Issues and COR Business Meeting held in Nashville, TN. The Mega issues meeting tackled the issue of COR Representation. As the Society has grown, so has the number of representatives on the COR. Over the years it has become harder to get COR participation at meetings, meet the required quorum, and get well informed participation from the COR members through out the year. The mega issues discussion consisted of mediated round table discussions on a number of topics related to COR representation. It tackled what was known, what was missing and what were the headlines, without jumping to conclusions or providing solutions. After each topic the findings of the tables were discussed with the full group. It ended up being a very productive way to look at the problem from a different perspective. On the second day of the mega issues discussion, the mega issues team, with input from the COR, was able to create a resolution to go forward. The resolution can be found at http://image.exct.net/members/28788/mega_issues_resolution_app.pdf.

The forum provided for several amendments to the Bylaws. The first Bylaws amendment that was approved dealt for the differentiation between MALs and international members. It was recognized that the society intends to expand international membership; in order not to burden MAL sections, international members were given a separate definition. The second Bylaws amendment involved a change in the COR quorum. The society has had difficulty getting a quorum to attend meetings. This motion lowered the quorum from 2/3 of duly elected CORs to a majority of the voting membership. Lastly, there was a call for increased collegiate representation on the COR. This allows one collegiate representative for each 1,000 collegiate members or fraction thereof, not to exceed two, of each region. Currently, collegiate’s make up about 60% of the society membership, but have less than 8% representation on the council.
2008 Region E SWE Conference

The 2007 Region E Conference “Women Engineering A Sustainable Future” will be held at Virginia Commonwealth University in Richmond, VA on March 7-9, 2008. The conference highlights include the following workshops in addition to technical tours, region and section meetings and a banquet:

- Safe & Clean Water
- Nuclear Power
- Interviewing Skills
- Leadership Development
- A Business of Your Own

For more information, check out the [SWE Region E Website](#). And don’t forget to [Register Now](#)! The Early Registration Deadline is January 31, 2008!!!

Nominations for Region E Officer Positions

Nominations will be taken shortly for Region officer positions. The voting for these positions are done at the Region E professional section representative meeting, which is scheduled for Sunday March 9th at the Region E conference. The positions available are Lt. Governor, Secretary, and Treasurer. The duties for each of these positions are below. Anyone interested in more information on these positions or is interested in running may contact Heather Bernardin at [habernardin@yahoo.com](mailto:habernardin@yahoo.com).

**Lieutenant Governor**

The lieutenant governor shall assume the duties of the governor if the governor is temporarily unable to serve, and shall perform such other duties as may be assigned by the governor or the region council.

**Secretary**

The secretary shall:
1. Maintain the records of the region; and
2. Perform other duties incident to the office of secretary, or as may be assigned by the governor or the region council.

**Treasurer**

The treasurer shall:
1. Be responsible for the collection, distribution, and safekeeping of region funds;
2. Prepare, maintain, and report as directed on the financial position of the region in relation to the approved budget;
3. Submit a financial report to the Society in accordance with established procedures; and
4. Perform other duties incident to the office of treasurer or as may be assigned by the governor or the region council.
**Diversity Leadership Panel: Communication and Your Professional Image**  
*Wednesday, February 20, 2008, 6-7 pm Networking, 7-8 pm Panel*  
*Mitchell Auditorium, Bossone building on Drexel Campus*

In celebration of Engineers Week, SWE is partnering with the National Society of Black Engineers (NSBE), the Society of Hispanic Professional Engineers (SHPE), and Drexel University to host a Diversity Leadership Panel discussion and networking event.

The event is open to both students and professionals, and light refreshments will be served. If you would like to pre-submit questions for the panelists, please send them to Danielle Dunn. Also, we would like to have up to 4 volunteers to staff a SWE information table in half-hour shifts during the networking hour. Please e-mail Danielle if you are interested. We hope to see you there!

**December Holiday Outing**

Several members celebrated the holiday season on December 8th. The day started off with a visit to the Brandywine River Museum, featuring beautiful art displays from the Wyeth family artists, an O-gauge model railroad, Victorian dollhouses and unique handmade “critter” ornaments made out of material found in nature displayed on holiday trees. In fact, several of our members purchased those “critters” to give a festive twist to their own tree. After lunch at the River Museum, the members traveled to Chaddsford Winery for an exclusive “behind the scenes” tour of the wine making process followed by wine tasting and festive holiday shopping.

**Connect with Women for Hire This Spring**  
*April 17th*  
Pennsylvania Convention Center

Save the date for the upcoming Women For Hire Philadelphia Career Expo. Joining us for a day of networking, talking to employers, and learning about different career paths. Be sure to register for our Early Morning Seminar taking place before each event with Women For Hire CEO and Good Morning America Workplace Contributor, Tory Johnson. For more information, visit [www.womenforhire.com](http://www.womenforhire.com).
Fundraising Status Update: We Still Need Your Support!

The SWE Philadelphia section leaders have been reaching out to local employers as well as to you, our members, to ask for contributions to our collegiate scholarship program and the Engineering Girls Camp at Widener University. We’ve made a lot of progress in raising funds for both of these programs, but we still need your help! Without donations from our members, we can’t fully support these two very important section initiatives.

Scholarship Program
Last year the Philadelphia section awarded six $1000 scholarships to local college students, and we would like to provide at least that many this year. So far we have raised $4000 in corporate contributions and $650 from our members for scholarships. Typically the member donations are pooled together to create a $1000 “section scholarship,” so even $20 can go a long way toward supporting the Philadelphia area’s next generation of women engineers.

Engineering Girls Camp
This year’s Engineering Girls Camp will be held at Widener University on February 9, 2008. Over 100 high school girls will interact with engineering professionals, professors, and students and engage in hands-on laboratory workshops in various engineering fields. The Philadelphia section has committed to raising $1500 for this year’s camp. With $1000 in corporate donations and $480 from members, we are very close to achieving that goal. However, the annual budget needed for the camp is $5,000. Any reserve funds we can raise for next year will help to ensure that this very popular event can continue to inspire girls to pursue engineering as a career option.

To be part of the Scholarship or Girls Camp Programs, please make checks payable to SWE Philadelphia Section and send them to the address below. Please contact Michelle for any questions. Thanks!!

Michelle Lore
7 Sandringham Road
Cherry Hill, NJ 08003
609-670-9222, mlore774@comcast.net

OUTREACH

SWE/Widener Engineering Mini-Camp
Saturday, February 9th, 8am – 4pm
Widener University

In cooperation with the Philadelphia Section of the Society for Women Engineers, Widener University School of Engineering will host its 9th annual Engineering Mini-Camp for High School Girls on February 2008. The camp will be held on the university’s main campus in Chester, PA. This is an opportunity for high school girls interested in science and math to explore engineering careers in a hands-on laboratory setting with women from the Philadelphia Section of the Society of Women Engineers and female engineering students and alumni from Widener University.

Laboratory sessions include topics such as Roller Coaster Design, Tower Building, Bridge Design, Biomedical Engineering, Bioengineering, Water Treatment Plants, Programmable Robots, Soils and Foundations, Electric-Powered Lego Vehicles, Reaction Kinetics, Aerodynamics and Flight, Pavement Design with Chocolate Asphalt, and Electric Sensors.

If you would like to volunteer for the event, contact Vicki Brown or register online at http://www.widener.edu/soe/hsgirlsminicamp.asp.
**Collegiate Speakers Database**

The purpose of this is to serve as a resource for collegiate SWE officers who are looking for speakers, and to provide a great opportunity for professional SWE members to reach out to our collegiate members. If you would be willing to organize a panel discussion, feel free to submit that as well. Some potential presentation topics include the following: career paths, women in the workplace, what to expect from your first job, negotiating, networking, resume writing, interviewing skills, business etiquette, what does an engineer in industry xyz do in her job - feel free to pick from any of these or come up with your own! (contact Alexis Wallen at ajwallen@gmail.com)

**Scholarship**

The application deadline for Philadelphia SWE scholarships is coming up on February 29. Full-time female engineering students in the Philadelphia area are eligible, so spread the word to students you know. The application is available online. We are still seeking donations (every bit helps) as well as volunteers to serve on the scholarship judging committee. If interested, contact Krista Pohl.

**Girl Scouts Looking for Volunteers**

The Freedom Valley Girl Scouts has asked IBM to help them hold two - one day workshops centered around Legos Robotics technology. They are looking for volunteers to train other volunteers in the use of the Legos Robotics kits and also for volunteers to assist in the two, one day events. If interested in volunteering, please contact Nichi Bausser at 610-933-7555, ext 1411 or nbausser@gsep.org.

Train the Volunteers - early February, 2008

The Girls Scouts are seeking IBM volunteers who could do the training on how to use the Legos Robot kits. Training would be held at the Girls Scouts Valley Forge location, and is intended to get the volunteers who will be conducting the February 16th workshop ready. The training would take place in early February, 2008. The GS's are looking for training on how to program the robots. The volunteers being trained maybe a combination of IBM volunteers and GS volunteers.

First Robotics Workshop - Me and My Robot on 2/16/2008

The Girl Scouts are looking for at least 10 IBM volunteers to help one of 10 robot teams (5 girls each) with their Legos Robots as part of the workshop titled, “Me and My Robot “. The workshops will be on February 16, 2008 at their Valley Forge location. There will be a morning workshop (9 am to Noon) with 50 girls and an afternoon workshop (1 pm to 4 pm) of 50 more.


The Girl Scouts are looking for at least 10 volunteers to help one of 10 robot teams with their Legos Robots as part of the workshop titled, “Girls Go Tech “. The workshops will be on April 5, 2008 at the SAP location. There will be a morning workshop (9 am to Noon) with 50 girls and an afternoon workshop (1 pm to 4 pm) of 50 more.
AAUW presents

Discover the Future: A Science and Math Extravaganza for Students in Grades 5 to 7,
Showcasing Women in Science and Math
Saturday, February 23

This event includes a variety of fun and exciting hands-on workshops presented by women working in science and mathematics professions, and in addition, a 30-minute session for each group of children in the all new Discovery Lab. Discovery Lab demos this year include making Balloon Robots, DNA Models, a NASA Electroscope, and experiments and demos in chemistry, physical science, and math logic, reasoning and probability.

Please spread the word to neighbors and acquaintances that registration spaces are still available for students in grades 5 to 7. A printable registration form is on the AAUW branch website, www.aauwlansdale.org. Also, brochures can be obtained from Co-Chair, Kristine Sholly at 215-361-9391.

The DTF Committee Volunteer Coordinator is looking for volunteers for the event. Please contact Lee Wolfe at 215-390-2152 or Kristine Sholly, if you are available to volunteer.

ENGINEERS WEEK ACTIVITIES

Celebrating 50 Years of Space Exploration
2008 DELAWARE VALLEY ENGINEERS WEEK
February 15-23, 2008

Engineers Week is celebrated in February each year to recognize engineering accomplishments throughout the nation. In the Greater Philadelphia region, Engineers Week programs have been held continuously since 1953. The programs are sponsored by a coalition of engineering societies, government agencies, universities and major corporations which represents thousands of engineers. Several highlight events of the week are listed below:

Proclamation Luncheon, February 15
Loews Hotel, 12th and Market, Philadelphia
Governor Rendell and Mayor Nutter are scheduled to attend and present the Governor's and Mayor's proclamations, respectively.

Young Engineer of the Year, February 20
McCall Country Club, Upper Darby

Engineers Week Banquet, February 23
Creese Center, Drexel University

At these events, the DVEWC will honor and recognize these Delaware Valley award recipients:

- **Engineer of the Year**: 1st time Female Recipient, Dianne Dorland, PE, PhD, Dean of Engineering at Rowan University
- **Young Engineer of the Year**: Raj Arora, PE, Arora Engineers
- **Outstanding and Notable Engineering Achievements**: Aegis Ballistic Missile Defense Program; MV22B Osprey Program; CBS-3 High Definition Studio Project
- **Outstanding Service Awards**: Peter Quinn, Greater Valley Forge Transportation Management Association; Mike Gabor, Urban Engineers, Inc.
- **Hall of Fame**: Frank Piasecki

Please check out the Delaware Valley Engineers Week Council website (www.dvewc.org) for further details. Information provided by Susan Best, SWE Liaison to Delaware Valley Engineers Week Council.
Dr. Dianne Dorland has been Dean of the College at Rowan University since July 1, 2000. The College is the newest engineering school in the Delaware Valley, created through a $100 million endowment from Henry and Betty Rowan in 1992. Rowan is a natural fit for Dianne’s lifetime focus on the integration of engineering practice and education to better prepare students for entry into a rapidly changing and highly competitive global marketplace. The College and its four engineering programs (chemical, civil/environmental, electrical/computer, and mechanical engineering) offer a highly innovative multi-disciplinary project-based learning environment. The College accepted its first freshman students in 1996. As Dean, Dianne is responsible for academic program management and integrity, student affairs, faculty development, and budget supervision. She has successfully brought the outstanding features of Rowan’s engineering educational format to national and international attention. Under her leadership, the College has been widely and consistently recognized for its undergraduate programs. Her focus has positioned the College for continued success in recruitment, retention, and graduation of engineers who are valued as degreed professionals by employers and graduate schools.

As a spokesperson for education and industry interaction, Dianne has strengthened the professional base for engineering education locally, nationally and globally. She has made major strides in the promotion of industry-university relations in the Delaware Valley, leading to significant industrial support for engineering programs.

Dianne has been a member of the American Institute of Chemical Engineers since 1969. Her extensive service in this organization culminated with her election to President in 2003. She is also active in the American Society for Engineering Education and was elected to the Executive Committee of the Engineering Deans Council in 2006.

Dianne received her Bachelors and Masters degrees in Chemical Engineering at the South Dakota School of Mines and Technology, followed by a Ph.D. from West Virginia University. She is a professional engineer in Minnesota, West Virginia and New Jersey. She has earned numerous honors and awards as well as special recognition from her alma maters. Starting with her first jobs out of college at Union Carbide and DuPont, Dianne has extensive experience both in industry and academia. She has been a faculty member at West Virginia University and the University of Minnesota-Duluth prior to coming to Rowan.

MEMBERSHIP ANNOUNCEMENTS

Welcome to the Philadelphia SWE Section!

New Members – Anne Aunins, Kim Dezura, Elizabeth Susan Dykes, Alanda Gibbs, Janice Anne Hansen, Tammy Alana Leidich, Barbara E. McCown-McClintick, Mya Montgomery, Celeste M Murdock, Iyunade Oduneye, Hima Patel, Priscilla Robinson
Upgrade – Drexel University: Idil Aktan
Transfer – Central Indiana: Jessica Lynn Dunn; Baltimore/Washington: Christina N Schindele

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!
MEMBER SPOTLIGHT – JoEllen Muntz

JoEllen started her career with Commonwealth Edison in 1981. She has participated in the construction and startup of two Braidwood Station Units and the return of service to two LaSalle Station Units.

While working as the Regulatory Performance Coordinator for the LaSalle Station, she participated in various regulatory functions with the NRC. Other positions she has held include Regulatory Assurance Supervisor, Chemistry Manager and Training Director. In 2003, she moved to Boston to work as Operations Director for Exelon Power’s fleet in New England. In April 2004, she was general manager of Cromby Generating Station, the first female general manager in the history of Exelon's hydroelectric and fossil-fired generation plants. She became VP of Operations in November, 2004.

She graduated from Xavier University with a B.S. in Chemistry and earned a Masters degree in Information Technology from Northwestern University. She is certified in Boiling Water Reactor Nuclear Power Operations.

JoEllen and her husband, Steve, live in Chadds Ford with their 2 ½ year old daughter, Juliann. Keeping them company are seven dogs of various ages and breeds. When time allows, she knits, gardens, practices yoga and volunteers for various animal rescue organizational events.

OTHER UPCOMING EVENTS

Dinner Meeting, Thursday, January 31st 6pm
AWIS Philadelphia "Understanding Astronomy: Challenges in Teaching and Learning through Observation of the Sky".
Arcadia University Glenside, PA. $20
RSVP by Jan 25th via website registration www.awisphi.org/meetingregistration.htm

Morning Seminar: Friday, Feb 1, 7:45 -10:30 a.m.
"Reboot Your Career: Achieving Success in the Changing Field of Technology"
Penn State Great Valley, Malvern PA. Free.
Contact gvinfo@psu.edu or www.gv.psu.edu/ITsuccess

Seminar: Saturday Feb 9th, all day
Engineers' Club of Philadelphia "Understanding Finance for the Professional Engineer". Pennoni Associates, Philadelphia. $150. 0.6 CEU.
Contact info@engrclub.org to register.

IES Course, Wednesdays, Feb 20 - April 23,
"Fundamentals of Lighting" Training.
Location TBD (Center City). $350. 2.0 CEU.
Contact Kathy Beacher at kbeacher.i2@lighting.net or 610-764-7579 by Feb 15th.

Seminar, Wednesday March 19th, day-long ASHRAE,
"Professional Energy Code" Seminar. PA DEP Harrisburg. $150 Registration.
Contact Thomas Long at thomas.long@mail.ashrae.org.
CEU available
UPCOMING EVENTS

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<td>SWE Region E Conference</td>
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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.