

## More About SWE.....

The national SWE organization is composed of women and men interested in the advancement of women in engineering. SWE has an international membership that numbers over 17,000, with about 90 local and 300 collegiate sections. SWE also has Corporate member organizations that employ engineers and are interested in supporting the goals of the Society.

The geographic area encompassed by SWE-Philadelphia includes all of southeastern Pennsylvania east of the Susquehanna River. Because several of our members work and/or live in neighboring areas in the Lehigh Valley, southern New Jersey, Delaware, and Maryland, the sphere of influence for the section greatly exceeds geographic boundaries.

SWE-Philadelphia Section has over 100 members that represent the broad technical diversity in the area. Our members include: local college students not affiliated with a SWE student section; recent graduates; full-time, part-time, unemployed, and retired engineers; SWE Achievement Award winners; employees of small companies and Fortune 500 companies; government employees; business owners and corporate executives; educators; and people with Associate, Bachelors, Masters, and PhD degrees in a range of technical and business disciplines.

For more information about the national SWE organization and programs, contact

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230 E. Ohio Street Suite 400  
Chicago, IL 60611-3265  
312-596-5223

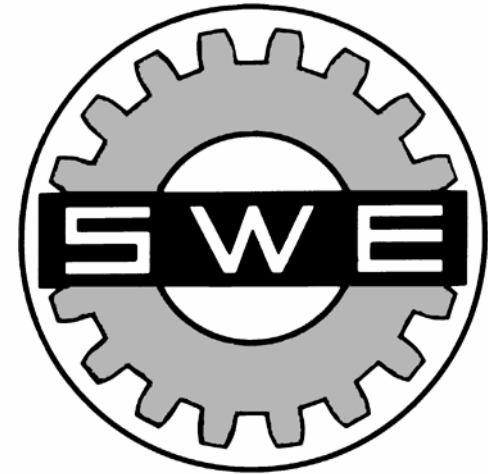
<http://www.swe.org>

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# Society of Women Engineers

## Philadelphia Section 2005 - 2006



### ASPIRE • ADVANCE • ACHIEVE

The Society of Women Engineers (SWE) is a not-for-profit educational and service organization that was founded in 1950. The Philadelphia Section is one of the charter sections of the national organization.

SWE is the driving force that establishes engineering as a highly desirable career aspiration for women. SWE empowers women to succeed and advance those aspirations and be recognized for their life-changing contributions and achievements as women engineers and leaders.

Web Site: <http://www.philaswe.org>  
E-Mail: [phila\\_info@swe.org](mailto:phila_info@swe.org)

## SWE-Philadelphia Programs FY05 Highlights

During the past fiscal year, at least 30% of our members participated in one or more activities at the local, regional and/or national level. Section activities summarized below provided many opportunities for members to develop their leadership and professional skills.

### Meetings

Scheduled section meetings during FY05 included networking meetings to provide opportunities for members and guests to learn more about the Philadelphia Section and each other; dinner meetings with a speaker; a joint dinner meeting with another professional/ technical society; and planning meetings.

Section members served on the Region and National Bylaws Committees. Several members actively participated in the October 2004 SWE National Conference at Milwaukee, WI and in the March 2005 Region E meeting at Rochester, NY.

### Student Outreach Programs

On-going efforts in FY05 to encourage girls to study math and science courses in middle and high school and to encourage young women to pursue advanced study in scientific and technical fields included:

-Serving as administrative coordinators and judges for the **Philadelphia Regional Future City Competition** that was held at Villanova University in January 2005 for teams of 7th and 8th graders from 38 schools within the Philadelphia Region. SWE-Philadelphia also provided an award for the city design that best incorporated "Quality of Life" features.

-Providing hands-on engineering workshops at the **AAUW Touch the Future Program** held at Walton Farm Elementary School in March 2005.

-Serving on the **Container Design Project** Review Board to evaluate product designs developed by teams of calculus students at Archbishop Ryan High School (May 2005).

### Student Outreach Programs, continued

-Conducting our sixth annual joint Widener-SWE **Engineering Mini-Camp** for high school girls and their parents. More than 100 girls and over 50 parents participated in this event held at Widener University in February 2005. Each girl could experience 4 of 12 different hands-on workshops while their parents attended sessions on what to expect should their daughter decide to study engineering. SWE members from the Philadelphia, DelMar Peninsula, and Widener Student Sections conducted the workshops and discussed their engineering experience with the girls and their parents.

-Participating in the national SWE **Certificate of Merit Program** to recognize high school girls who have demonstrated three years of excellence in their math and science courses and who are active in their school, church, or community. In FY05, personalized certificates were awarded to 236 girls from 81 secondary schools within our geographic area.

-Serving as **Science Fair** judges and providing SWE-Special Awards for the local Bucks County and regional Delaware Valley Science Fairs (DVSF) competitions for 6th through 12th grade students. The SWE awards are provided for the best engineering or engineering-related projects by girls in each grade level. In FY05, we also provided a \$500 scholarship award at the DVSF competition to a 12th grade girl who had an outstanding project and was accepted as an incoming engineering freshman at an ABET-accredited school.

- Providing **Scholarship Awards** of \$1000 each to full-time college students currently enrolled in engineering or computer science programs at schools within our area. In FY05, corporate and member sponsors funded six scholarships.

The SWE Mid-Atlantic Region encompasses the western half of New York state, the eastern part of Pennsylvania, and all of Delaware, Maryland, New Jersey, and Virginia.

### Student Outreach Programs, continued

- Serving as **SWE Counselors** for local SWE Student Sections and subsidizing student dinner costs for Philadelphia Section meetings. The Student Sections in our area are:

- DeVry University of Fort Washington Open
- Drexel University Irena Ziec
- Swarthmore College Jennifer Garner
- Temple University Aina Zahari
- Villanova University Heather Bernardin
- University of Pennsylvania Alexis Wallen
- Widener University MaryAnn Skeehan

### Other Programs

-Maintaining a **Job Bank** to advertise employment opportunities to our section members.

-Raising over \$1200 for the October 2004 **Making Strides Against Breast Cancer Walk**.

## FY06 Programs

Scheduled events for FY06 include networking gatherings, dinner meetings with a speaker, a joint meeting with other organizations, a technical tour, and the on-going activities highlighted above for FY05.

In addition, SWE-Philadelphia and the SWE-Drexel University Student Sections are serving as co-hosts of the **2006 SWE Mid-Atlantic Region (Region E) Conference** to be held in Philadelphia on March 31 to April 2, 2006 at Drexel and the Sheraton University City Hotel. Co-chairs of this conference are Jen Garner from Philadelphia and Krystle Nagle from Drexel. This event is planned to include: workshops on career preparation, professional development, and personal growth; a round-table discussion on student outreach activities; career fair and exhibits; and opportunities for networking. As part of the national SWE efforts to broaden our collective outreach to women and minority students in engineering, members of the National Society of Black Engineers and the Society of Hispanic Engineers may attend the conference at SWE member rates.