

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 includes more than 17,000 people and about 90 local and 300 student sections. SWE also has a Corporate membership for organizations that employ engineers and are interested in supporting the goals of the Society.

The SWE-Philadelphia Section geographical area encompasses 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 geographical 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; business owners 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

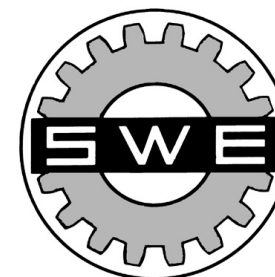
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Society of Women Engineers

Philadelphia Section 2004 - 2005



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.swephila.org>
E-Mail: phila_info@swe.org

SWE-Philadelphia Programs FY04 Highlights

FY04 was an active year, with at least 30% of our members participating in one or more activities at the local, regional and/or national level. The Section activities summarized below provided many opportunities for members to develop their leadership and professional skills.

Meetings

Our scheduled section meetings during FY04 included: two networking meetings to provide opportunities for members and guests to learn more about the Philadelphia Section and each other; two dinner meetings with a speaker; a joint dinner meeting with another professional/technical society; and a planning meeting.

One of our Section members served as Region Bylaws Chair, a member of the National Bylaws Committee, and also represented our section at the SWE National Conference in Birmingham, AL, in October 2003 for the historic discussions and voting that significantly changed the organization structure of the Society. Another member represented the Section in March 2004 at the Region E meeting held in Baltimore, MD.

Student Outreach Programs

We continued our on-going efforts to encourage girls to study math and science courses in middle/high school and young women to pursue advanced study in scientific and technical fields. FY04 activities included:

- A chocolate asphalt workshop in October 2004 at the **Freedom Valley Junior Girl Scout Jamboree** at Camp Towihanee;
- Three hands-on engineering workshops for the **AAUW Touch the Future Program** at Pennbrook Middle School in March 2004;

Student Programs - continued

- Serving as administrative coordinators and judges for the **Philadelphia Regional Future City Competition** that was held at Widener University in January 2004 for teams of 7th and 8th graders from 44 schools within the Philadelphia Region. Each team designed a city of the future, built a working model of a portion of their city, wrote an essay about city planning and design issues, and verbally presented their plan to a panel of judges from the engineering, planning, and architectural communities. We also provided an award for the city design that best incorporates "Quality of Life" features.
- Conducting our fifth annual joint **SWE-Widener Engineering Mini-Camp**; 83 high school girls and about 60 parents participated in this event which was held in February 2004. Each girl could experience 4 of 10 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 also discussed their engineering experience with the girls.
- Participation 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. During FY04, we awarded personalized certificates to 244 girls from 85 schools within our geographic area.
- Serving on the Review Board to evaluate designs developed by teams of calculus students for the **Container Design Project** at Archbishop Ryan High School .

Student Programs - continued

- Serving on the SWE-Special Awards judging teams for the Lehigh Valley, Bucks County, and Delaware Valley **Science Fairs (DVSF)**. The judges reviewed the projects and interviewed as many students as possible during the competition. SWE-Philadelphia provided eight awards for the Bucks County Science Research Competition in March 2004 and 14 awards for the DVSF competition in April for the best engineering or engineering-related projects by girls.
- Providing eight **Scholarship Awards** of \$1000 each to full-time college students enrolled in engineering or computer science programs at schools within our area. We also awarded \$500 at the DVSF for a 12th grade girl who had an outstanding project and was accepted as an incoming engineering freshman at an ABET-accredited school.
- 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:

- Drexel	Michelle Fuller
- Swarthmore	Jennifer Garner
- Temple	Open
- Villanova	Heather Bernardin
- U of Penn	Open
- Widener	MaryAnn Skeehan

Other Programs

- We maintained a **Job Bank** to advertize employment opportunities to our members.
- Our SWE team raised over \$1200 for the **Making Strides Against Breast Cancer Walk** in October 2004.