



# SWE Outlook

October 2004

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## Newsletter Editors:

Danielle Dunn  
Barbara Faust  
Carole Stowell

We welcome your contributions to the next issue of *SWE Outlook*! See page 6 for details.

*SWE Outlook* is published on our website and is available for direct mail to Section Members and other interested parties in electronic and/or paper formats. Please forward your preferred e-mail address and option for electronic copy only or for both electronic and paper copies to [Barbara.Faust@swe.com](mailto:Barbara.Faust@swe.com).

## President's Corner

Our FY05 has kicked off with the first meeting, a successful networking social. One third of the people there were attending their first section meeting. The board is well on its way to finalizing the remaining meetings and activities for the year - from a professional development meeting, to a holiday social, to a behind-the-scenes tour of the new Phillies ball park (see calendar on page 2). In addition we will continue with many of our section staples such as the Engineering Mini-Camp and Future City Competition. If you have any suggestions for meeting locations or speakers, please send them to me.

In the last couple of years we have seen more local engineering companies asking how they can work with the Philadelphia section of SWE. These companies want to provide support for their women engineers while tapping into the pool of existing and future women engineers. Currently many of these companies provide SWE with financial support for the scholarship and engineering mini-camp programs but would like to enhance our partnership. I ask this question of the membership: How can we better our partnerships with these companies? In the past we have simply sent members to meet with companies to explain SWE and the section. Further interactions with these companies have the potential to produce a win-win situation for both sides. From the companies' standpoint, they could have better access to women engineers. For our members, it could mean more job opportunities and improvement in networking and mentoring. What events could be improved by interacting with outside companies? What can we do to be more involved with these companies? Let me know your thoughts.

*Heather Bernardin*

## Section Meeting for October 2004 Professional Engineer (P.E.) Certification

Date: Monday, October 11, 2004     Time: 6 pm

Place: La Campagnola, Italian Restaurant

700 South Broad Street, Lansdale, PA 19446

215-412-3552     <http://www.lacampagnolarestaurant.com/>

Cost: \$20 per person (guests welcome)

RSVP: Heather Bernardin, [habernardin@yahoo.com](mailto:habernardin@yahoo.com), 610-454-0146

with menu selection:

Pollo Marsala - fillet of chicken with mushrooms and spinach in  
marsala sauce

Cannelloni al Forno - manicotti baked with tomato sauce

Rigatoni Arcobaleno - rigatoni with crabmeat in a tomato sauce

## SWE Calendar of Events - FY05

Date	Day	Event	Location
Oct 10	Sun.	Walk for Breast Cancer Awareness	Philadelphia
11	Mon.	Section Meeting - Professional Certification, speaker from PSPE	LaCampagnola, Lansdale
14-16	Thurs-Sat	SWE National Conference	Milwaukee, WI
Nov 8	Mon.	Section Meeting - Project Management, speaker: Larry Cone	Fountain Side Seafood Grill, Horsham
Dec 13	Mon.	Holiday Social	Oxford Valley area
Jan		Section Meeting - Recycling Plastics, speaker from Merck	TBD
29	Sat.	Philadelphia Regional Future City Competition	TBD
Feb		Engineering Mini-Camp for High School Girls Engineers' Week Activities	Widener University Various
Mar		Joint meeting with ASCE and WTS Science Fair Judging AAUW Touch the Future Program	TBD Various TBD
Apr 11	Mon.	Awards Banquet	Sheraton Parkridge, King of Prussia
May		Technical Tour Certificate of Merit Presentations	TBD Various
June		Section Planning Meeting Certificate of Merit Presentations	TBD Various

### Announcements

- The **2004 SWE National Conference: Engineers Leading Change** will be held on October 14-16, 2004 at the Midwest Express Center in Milwaukee, WI. Latest information and detailed descriptions of conference events may be found at [www.swe.org/2004](http://www.swe.org/2004) . Conference registration may be made on-line at [www.swe.org](http://www.swe.org)
- **Call for Papers for ICWES 13:** The 13th International Conference of Women Engineers and Scientists (ICWES) will take place on August 28-31, 2005 at Ewha Woman's University in Seoul, Korea. The conference theme is *Women Engineers and Scientists: Main Force to Reshape the Future World*. Program areas are: Science and Technology, Information Technology, Nanotechnology, Biotechnology, Energy/Environment/Space, Education and Ethics, Gender Issues and Leadership. Deadline for submission of abstract is November 15, 2004. For updated information, please refer to the ICWES13 website: [www.icwes13.org](http://www.icwes13.org) (If prompted to install a language pack, click "Cancel" and you will be able to view information in English.).
- Lisa Colosimo, acting Section Membership Chair, is updating our Section e-mail lists using the information in the National on-line Member Directory. If your contact information is not current, please update your profile by sending an e-mail to [hq@swe.org](mailto:hq@swe.org) . If you have stopped getting Section e-mails or if they are being sent to the wrong address, please send a message to [owner-phila\\_section@swe.org](mailto:owner-phila_section@swe.org) .
- Access to the national **SWE on-line directory** requires your member ID and password. If you've misplaced or forgotten your password (or don't know your new member ID), please e-mail the member services center at [hq@swe.org](mailto:hq@swe.org).

# Section News

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## Kick-Off Social for FY05

A Happy Hour and Dinner Social was held at Champs Americana in the King of Prussia mall complex on Monday, September 13. The board and several other section members were in attendance. Attendees enjoyed the meal and the chance to catch up on each other's summer news. Section President Heather Bernardin offered a reminder about the open committee positions and other ways for members to get involved in the section (see below for details.) Looking forward to a fun year for SWE-Philadelphia!

## Section Volunteers Needed

Consider using SWE as a non-threatening environment for developing your management and organizing skills. By serving as a committee head or member, you may become more comfortable in delegating and/or sharing work with others. Check the Contact List on Page 11 to see if any of the open positions interest you. This year we are subdividing larger tasks into several smaller tasks to allow more people to participate and to ease the burden on any one person. For more information contact Heather Bernardin at 610-454-0146 or [habernardin@yahoo.com](mailto:habernardin@yahoo.com). See below for a description of what the various standing committees and subcommittees do.

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## Standing Committees and Subcommittees

### Membership

The Membership Committee maintains personal data files on Section members and on prospective members and contacts and assists the latter in applying for membership in the Society. The database coordinator also provides labels for mailings and distributes a Section Directory to members each year.

### Publicity

The Publicity Committee provides publicity to advance the Society's objectives and Section goals and sends news accounts of Section activities to the US Woman Engineer.

- *Newsletter*: This committee assembles and distributes the monthly newsletter. Information for the newsletter is provided by the Section officers and committees.
- *Engineer's Week Council*: This group serves as a liaison between the Section and the Delaware Valley Engineer's Week Council (EWC). The EWC coordinates a series of activities in the area, including the Future City Competition, a Math-Science Teachers Workshop, election of the Engineer of the Year, and the Proclamation Luncheon and Engineer's Week Banquet which begin and end, respectively, the activities during Engineer's Week in February of each year.

### Career Guidance

The Career Guidance Committee provides information and counseling on engineering careers for grade, junior, and high school girls, their counselors and parents; maintains and disseminates information on available engineering scholarships; coordinates the Certificates of Merit and/or Achievement program; provides counseling and when possible, financial assistance to women engineering students and conducts other activities as approved by the Section membership in furtherance of the Society's career guidance goals. These activities encourage people who are not engineers to consider the option of engineering.

- *Student Liaison*: Each student section associated with the Philadelphia Section (Drexel University, University of Pennsylvania, Swarthmore College, Temple University, Villanova University, and Widener University) should have a Faculty Advisor and a Counselor. The Counselor helps the students understand how the SWE community can help them. The Student Liaison Committee supports the Counselors and promotes inter-school communications and activities between the Student Sections and Section.

# Section News

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- *Scholarship:* This committee establishes criteria for the scholarship awards and selects the recipients.
- *Certificate of Merit:* This program was developed to honor High School girls who excel in Science or Math. Certificates are presented at graduation by Section Members, when possible.
- *Speakers Bureau:* Makes arrangements for Members to speak to schools, Student Sections, community groups, etc.

## Continuing Development

The Continuing Development Committee encourages and assists Section members to establish goals for and to attain high levels of educational and professional achievement; to ready themselves for a return to active work after a period of absence; and to conduct other activities approved by the Section. This is an integral part of the goals and objectives of the Society. Continuing Development activities are those that help members to continue to grow and learn throughout their lives.

- *Job Bank:* The Job Bank Committee serves as a resource for Section members seeking new employment or a change.
- *Programs:* The Program Committee is responsible for arranging activities for Section members such as: speakers on technical, inter-personal, health, current issues, financial, and legal subjects; technical, historical or community tours; joint meetings with engineering societies, student groups, and professional women's organizations; seminars or workshops on technical or self-improvement topics.
- *Peer Mentoring:* This committee arranges mentor/protégé relationships by matching skills and development needs for interested members.
- *Awards:* The awards committee coordinates activities relating to the selection of Fellows, Distinguished New Engineers and recipients of Achievement, Rodney Chipp, Resnik/Challenger, and Distinguished Engineering Educator Awards, including preparation and distribution of the Awards Package. In addition to these SWE awards, the committee can nominate members for external awards such as Delaware Valley Young Engineer of the Year.
- *Corporate Liaison:* Works with local corporations to develop a mutually beneficial relationship. Includes requesting annual donations for the scholarship program and maintaining a database of various corporate contacts.

## Remembering our Purpose: What is the Society of Women Engineers?

The **SWE Mission** is to:

- stimulate women to achieve their 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 **SWE Vision** is to be the recognized authority on, and advocate for, women in engineering.

The **SWE Objectives** are:

- to inform young women, their parents, counselors, and the general public of the qualifications and achievements of women engineers and opportunities open to them;
- to assist women engineers in readying themselves for a return to active work after temporary retirement;
- to serve as a center of information on women in engineering; and
- to encourage women engineers to attain high levels of educational and professional achievement.

# Volunteer Opportunities

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## Future City Competition Saturday, January 29, 2005 by Jennifer Wetzel

Greetings from the Philadelphia Regional Future City Competition! This year's competition is underway with 29 schools already signed up. Registration will run through October 31; we expect another great turnout this year. We need your help to keep the competition growing! Volunteers are needed to help out as judges and evaluators at the competition, but right now our greatest need is for school mentors. Mentors guide the students as they design a city of the future on computer using the *SimCity 3000* program and build a 3-D model of their city. Please consider helping us this year. Here is a list of schools signed up that do not have mentors. For the complete list of registered schools, please visit our website at [www.futurecityphilly.org](http://www.futurecityphilly.org).

Carl Sandburg Middle School	Levittown, PA
E.H. Markle Intermediate School	Hanover, PA
Gateway Christian School	Mertztown, PA
Governor Mifflin Middle School	Shillington, PA
Morrison Elementary School	Trevese, PA
Visitation BVM School	Philadelphia, PA (Kensington)
Widener Memorial Middle School	Philadelphia, PA (Fern Rock)

Is there a school that you'd like to help out? Please let me know which school, and I'll get you in touch with the teacher. Is a school you have worked with in the past not yet signed up? Feel free to contact the school yourself, or I'll have our Schools Coordinator contact the teacher for you. Interested in helping but don't see a school in your area? Let me know what area and I will contact you if a local school needs a mentor. Are you not able to be a mentor, but would like to volunteer at our competition? Please visit [www.futurecityphilly.org](http://www.futurecityphilly.org) for more information and to sign up on-line, or send me an e-mail at [volunteer@futurecityphilly.org](mailto:volunteer@futurecityphilly.org).

### Last Call for Mentors:

#### New Media Technology Charter School

NMTCS is recruiting mentors for its inaugural ninth grade class. NMTCS is supported by the Bill and Melinda Gates Foundation, the Black Alliance for Educational Options, and The Lotus Academy. This small, digital multi-media project-based high school will be located at 7800 Ogontz Avenue in West Oak Lane. NMTCS students will meet state academic standards through their choice of one of the following majors: Presentation Software, Digital Photography and Videography, Web Design and Development, and Video Game Design. As part of its educational programming, NMTCS has committed to providing a mentor for every student. Especially sought are mentors from the digital multimedia and other technology fields. Mentors will be expected to meet monthly with the student at the school. For additional information, please contact Keisha Hegamin at 215-717-4084, e-mail to [Keisha@BAEO.org](mailto:Keisha@BAEO.org), or visit NMTCS at [www.newmediatech.net](http://www.newmediatech.net).

#### Five-Mile Walk to Fight Breast Cancer

The SWE Philadelphia Section has decided to form a team and raise money for the fifth annual "Making Strides Against Breast Cancer" five-mile walk in Philadelphia on October 10, 2004, benefitting the American Cancer Society. You can help by joining our team and raising funds yourself, or by contributing to our fundraising efforts. Either way, you will be making a significant difference in the fight against cancer. For more information, contact Lisa Colosimo at 610-219-6690 or [lisa.colosimo@siemens.com](mailto:lisa.colosimo@siemens.com).

# Professional Development

## Fall 2004 Engineering Tours of the Delaware Valley

The Engineers' Club of Philadelphia sponsors a series of tours geared to the technical professional. Participants may be awarded 2.5 Professional Development Hours (PDHs) per tour for P.E. license renewal requirements. Anyone can participate in these tours; Club membership is not required. The cost is \$10 per person per tour; Engineers' Club members and one guest may attend at no charge. Tour group size is limited to 40 persons and participants must be at least 12 years old. Tour reservations are on a "first come, first served" basis. For more information, please contact The Engineers' Club directly by phone at 215-985-5701, e-mail to [info@engrclub.org](mailto:info@engrclub.org), or Fax to 215-985-5704.

**Lincoln Financial Field**, Philadelphia, PA on Wednesday, October 13, 2004 at 30 pm - See this new facility which serves as the home of the Philadelphia Eagles. Lincoln Financial Field has been named the Notable Engineering Achievement for 2004. Tour group is limited to 30 persons.

**Mutter Museum**, Philadelphia, PA on Saturday, October 23, 2004 at 10 am - Visit this historic museum which has been established by the College of Physicians. The museum is replete with fascinating medical displays and curiosities.

### Forbes Most Powerful Women

Forbes.com has recently published a list of the 100 most powerful women in the world. Among those listed are several executives of science, engineering, and technology companies. These include Carleton "Carly" Fiorina of Hewlett Packard (ranked #10 on the list after several government leaders), Susan Arnold of Proctor & Gamble, Christine Poon of Johnson & Johnson, SWE-Phila member Nance Dicciani of Honeywell, Anne Mulcahy of Xerox, and Patricia Russo of Lucent Technologies. These women serve as a reminder of the success that women engineers are capable of achieving. For the full list, visit

<http://www.forbes.com/2004/08/18/04powomland.html>

### Newsletter Needs: Send your News & Photos!

Contributions to the newsletter are welcome from members of the SWE-Philadelphia section, student sections, other sections in the region, and other engineering organizations. Have you heard about a local volunteer opportunity? Seen an article that may be of interest to women engineers? Have an idea for a joint activity between SWE-Phila and another section or organization? Send us the info!

Also, since a picture is worth a thousand words, please feel free to submit photos of section members participating in section activities, volunteer activities or other engineering-related events. Announcements and photos will be included as time and space permit. Please send inputs to Danielle at [dldunrice@yahoo.com](mailto:dldunrice@yahoo.com). Deadline for the November newsletter is



SWE Philadelphia Section  
*The Engineers' Club of Philadelphia*  
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Philadelphia, PA 19102

Address Correction Requested

**Visit our Web Site at <http://www.swephila.org>**  
Contact Us by E-mail: [phila\\_info@swe.org](mailto:phila_info@swe.org)

**SWE Philadelphia Section Newsletter**  
**October 2004**

**Section Meeting: Professional Certification**

Monday, October 11, 2004  
6 pm  
La Campagnola Restaurant, Lansdale, PA  
RSVP to Heather Bernardin  
**Details inside!**

Newsletter copying and distribution is underwritten by a grant from  
Lockheed Martin Integrated Systems and Solutions.

*Thank you!*

*The Society of Women Engineers is a non-profit, educational service organization  
dedicated to making known the need for women engineers and  
encouraging young women to consider an engineering education.*

