



# SWE Outlook

May 2002

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We will gladly include news items and meeting announcements from SWE Student Sections and nearby SWE Sections in *SWE Outlook*. Please send information to [Barbara.Faust@swe.org](mailto:Barbara.Faust@swe.org). Announcements for other organizations will be included as time and space permit.

## May Business Meeting

All are invited to attend a general business meeting of the Philadelphia Section on May 19th. Activities of the current year and initial plans for next year will be discussed. Comments and suggestions are sought from both Section Members and students regarding activities of interest, times and places for meetings. If you are unable to attend in person, please forward your ideas to Heather Bernardin to any of the current officers so that your ideas may be included in the discussions and planning.

Date: Sunday, May 19th  
 Time: 1:00 pm  
 Place: 647 Clayhor Avenue  
 Collegeville, PA 19426-2533

RSVP: Heather Bernardin  
 610-989-3212 (W)  
 610-454-0146 (H)  
[hbernardin@fcg.com](mailto:hbernardin@fcg.com)

## Section Officer Candidates for FY 03

Philadelphia Section officer candidates for SWE Fiscal Year 2003 are:

President	Lisa Colosimo
Vice President	Nicole Johnson
Section Representative	Maggie Schwartz
Treasurer	Barbara Faust
Secretary	Carole Stowell

All section members in good standing with the Society (i.e., dues are paid) may vote. This year you may vote electronically or by paper ballot. Even though the slate is uncontested, your vote is needed to have a valid election. Please mark your paper ballot, initial the outside envelope, and send to:

Heather Bernardin, SWE Election Teller  
 647 Clayhor Avenue  
 Collegeville, PA 19426-2533

Electronic votes should be sent to: [hbernardin@fcg.com](mailto:hbernardin@fcg.com)

## SWE Calendar - FY02

Date		Event	Location
May	16-17 17-18 18	Board of Directors Meeting #4 2002 Science Olympiad - Nationals Badge Day, Junior Girl Scouts of Freedom Valley, PA	Washington, D.C. University of Delaware, Newark Downingtown, PA
June	TBD 1 8	Family Event - Minor League Baseball Game Race for the Cure - Breast Cancer Awareness National Girl Scout Sing-Along	TBD Washington, DC National Mall, Washington, DC
July	1-12  27-31	International Institute of Women in Engineering (IIWE) Summer Session 2002 12th International Conference of Women Engineers & Scientists-ICWES 12	Paris, France  Ottawa, Canada
October	9-12	FY03 National Conference-The Art of Engineering	Detroit, MI

### Announcements

- **National Girl Scout Event - World's Largest Girl Scout Sing-Along**  
Since their founding in 1912, the Girl Scouts have used songs to celebrate life, to bridge cultural boundaries, and to communicate their commitment to the principles that guide the movement. More than 100,000 girls are expected from across the country to convene at the base of the Washington Monument from 1:30 to 4:00 pm on Saturday, June 8, 2002 and to use the power of music to celebrate the 90th Anniversary of Girl Scouting. For more information, visit <http://www.gssing.org>. Register on-line at <http://www.gscnc.org/newstuff/singalong>.
- **Call for speakers at the 2nd International Institute for Women in Engineering (IIWE)** to be held July 1 - 12, 2002 at the EPF Ecole d'Ingenieurs in Paris, France. Last summer's IIWE 2001 session was a resounding success and this international gathering of student women engineers is expected to be even better. Topics to be addressed include: the social status of an engineer, how engineering is taught, what approach is privileged (theoretical/practical), how many women study engineering, what engineering fields women go into, real career opportunities for women, professional office practices, engineering ethics, and how women balance their professional and personal lives. The objective is to enable participants to grasp the differences between engineering practices in their own countries and what happens in the geographical area presented by the speaker. For more information, please contact Ms. Gay Tischbirek, E-mail: [Gay.Tischbirek@epf.fr](mailto:Gay.Tischbirek@epf.fr) or visit website <http://www.iuwe.epf.fr>.
- The **Institute of Transportation Engineers (ITE)** will hold their **Annual Meeting and Exhibit** in Philadelphia on August 4 - 7, 2002 at the Philadelphia Marriott. For more information, call Donna Ford at ITE Headquarters, 202-289-0222, x140, or visit web site <http://www.ite.org> and click "Meetings and Conferences" on the menu bar.
- The **12th International Conference of Women Scientists and Engineers (ICWES 12)** will be held in Ottawa, Canada on July 27-31, 2002. Information about ICWES 12, including registration, can be found on the conference web site at <http://www.carleton.ca/cwse-on/icwes12>. The registration fee is \$408 US, with special rates of \$327 for Pioneers, Seniors, and students. ICWES is held approximately every three years in various parts of the world and has been in North America only a few times (1964 in New York - ICWES 1 and 1984 in Washington, D.C., when ICWES was held in conjunction with the annual SWE Convention). This year the SWE Board of Directors will be holding their installation of officers on Friday, July 26, before ICWES begins. Kathleen Harer is coordinating the SWE delegation. Please contact her if you have any questions (321-799-4379 or [kharer@myexcel.com](mailto:kharer@myexcel.com)). Also let SWE HQ know if you are planning to attend because they are maintaining a list of SWE attendees.

#### *The SWE OBJECTIVES are:*

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

*The SWE VISION is to be the recognized authority on, and advocate for, women in engineering.*

# Section News

## 2002 Awards Banquet

The Philadelphia Section 2002 Awards Banquet was held on April 24th at the Wyndham Suites Valley Forge to honor recipients of this year's scholarship awards and to recognize the contributions of our corporate sponsors. Our banquet speaker was Michelle Chandler, a Director with First Consulting Group, who provided some very helpful insight and suggestions for working in the corporate world. A synopsis of her advice will be included in next month's newsletter.

Eligibility for this year's college scholarship program was expanded to include more of the full-time female students who are studying engineering and/or computer science at schools located within the Philadelphia Section boundaries. In addition to the six local colleges with SWE Student Sections (Drexel University, Swarthmore College, Temple University, University of

Pennsylvania, Villanova University, and Widener University), these schools now include the local Penn State University campuses (Abington, Delaware County, Harrisburg, and York), Philadelphia University (the former Philadelphia College of Textiles), and Thaddeus Stevens College of Technology. This program expansion has resulted in a significant increase in the number of scholarship applicants and has provided us with the opportunity to make nine awards of \$1000 each to students in our section area.

Sponsorship levels of \$1000 or more are named to acknowledge the contributor. The Section awards are funded by combining contributions from other corporate sponsors and individual SWE members. The award recipients are listed below. Profiles for each student are provided on Page 5.

### Named Scholarship Awards

Debra Metzger, Senior in Chemical Engineering at Villanova University - Merck Award

Laura Zager, Junior in Engineering - Mathematics dual major at Swarthmore College - Verizon Award

### Section Scholarship Awards

Colleen Colarik, Junior in Electrical Engineering at Widener University

Loren Minutoli, Junior in Civil Engineering at Widener University

Quynh Pham, Sophomore in Computer Science at Penn State Abington

Renee Robert, Freshman in Civil Engineering at Widener University

Devaki Shah, Sophomore in Computer Science at Penn State Abington

Melissa Simon, Freshman in Bioengineering at University of Pennsylvania

Marla Stump, Freshman in Bioengineering at University of Pennsylvania

## Science Fair Awards

SWE Philadelphia members Maggie Schwartz, Carole Stowell, and Barb Faust served as Special Awards Judges at the **Delaware Valley Science Fairs** held on April 9-11 at the Fort Washington Expo Center in Fort Washington, PA. Medal winners from these competitions advance to the Intel International Science and Engineering Fair in Louisville, KY. Recipients of the SWE Special Awards and their project titles are listed on Page 4. This year, a Section Scholarship of \$500 was awarded to Stephanie Moyerman, a senior at Central High School, for her project on control of a rotor aircraft. This award is presented to a female high school student who not only has an outstanding engineering-related project in the Delaware Valley Science Fair, but also has been accepted into an engineering program at an ABET-accredited college. Stephanie will begin her mechanical engineering studies at MIT this fall.

Philadelphia Section Special Awards were also presented for student projects in the **Bucks County Science Fair** held at Delaware Valley College in Doylestown, PA. Maggie Schwartz and Barb Faust served as judges for this competition on March 12th. Five of the six recipients of the Philadelphia Section Special Awards were selected by the Medals Judges for advancement to the next level of competition at the Delaware Valley Science Fairs. The SWE award winners and their projects are listed on Page 4.

## Sponsors for FY 02 Programs and Awards

### Corporate Sponsors

Gold: Lockheed Martin Management & Data Systems  
Merck & Co., Inc.  
Verizon Wireless  
Silver: Rohm & Haas Co.  
Bronze: Henkels & McCoy, Inc.

### Members

Vicki Brown  
Lisa Colosimo  
Nance Diccianni  
Barbara Faust  
Patricia Henry  
Jean Panos  
Susan Sciarratta

## Science Fair Awards

### Delaware Valley Science Fair - 12th Grade

- 1st Place - Stephanie Moyerman, Central High School - \$500 Award  
project: Visual Control Feedback of a Quad-Rotor Aircraft  
Stephanie will be a freshman Mechanical Engineering student at MIT in the fall.
- 2nd Place - Lucy Jacobson, Central Bucks High School West - \$50 Book Gift Certificate  
(tie) project: The Light Is at the End of the Tunnel: Quantum Tunneling
- 2nd Place - Kulsoom Hasan, Bensalem High School - \$50 Book Gift Certificate  
(tie) project: Nanoparticle Arrays for Use in Quantum Computing

### Marie Curie Science Fair - 11th Grade

- 1st Place - Julie Pagano, Bethlehem Catholic High School - book: The Way Things Work  
project: Automated Pet Feeder
- 2nd Place - Akhila Vasthare, Cherry Hill High School East - book: How Stuff Works  
project: Earthworm and Microbe Interaction in Vermicomposting of Dairy Waste
- Honorable Mention - Elise Chong, North Penn High School  
project: Sound Quality - Not a Mute Point

### Ben Franklin Science Fair - 10th Grade

- 1st Place - Elena Glassman, Central Bucks High School West - book: The Way Things Work  
project: A Patient-Taught Interactive Speech Therapy Tool

### Benjamin Banneker Science Fair - 9th Grade

- 1st Place - Maria Rozplach, Villa Joseph Marie School - book: How Stuff Works  
project: Reducing Image File Size Using Digital Image Comparison Techniques Without Loss of Image Quality
- 2nd Place - Serena Stein, Parkland High School - book: The Way Things Work  
project: Determining the Accuracy of Speaker-Independent Speech Recognition Computer Technology
- Honorable Mention - Christina Bergey, Pennbrook Middle School  
project: Model Rockets: Single vs. Two-Stage

### Albert Einstein Science Fair - 6th, 7th, and 8th Grades

- 1st Place - Kate Merlie, Unami Middle School - book: The Way Things Work  
project: The Tones - They Are A-Changin'
- 2nd Place - Inna Aleksandrovich, Abrams Hebrew Academy - book: How Stuff Works  
project: Ohm's Law at Work
- Honorable Mention - Monira Gamal-Eldin, Overbrook Educational School  
project: Which Wood Is Good?
- Honorable Mention - Grace Loeffler, Saint Agnes - Sacred Heart School  
project: Which Shape Will Hold Up?

### Bucks County Science Fair held at Delaware Valley College in Doylestown, PA on March 12, 2002

- Grades 11 and 12 1st Place: Lucy Jacobson, Central Bucks High School West  
project: The Light Is at the End of the Tunnel: Quantum Tunneling
- Honorable Mention: Kulsoom Hasan, Bensalem High School  
project: Nanoparticle Arrays for Use in Quantum Computing
- Grades 9 and 10 1st Place: Maria Rozploch, Villa Joseph Marie Academy  
project: Reducing Image File Size Using Digital Image Comparison Techniques
- Honorable Mention: Larisa Zimmerman, Villa Joseph Marie Academy  
project: The Future of Transportation
- Grades 6, 7, and 8 1st Place: Inna Aleksandrovich, Abrams Hebrew Academy  
project: Ohm's Law at Work
- Honorable Mention: Kate Merlie, Unami Middle School  
project: The Tones - They Are A-Changin'

## Philadelphia Section FY 02 College Scholarship Recipients

**Debra Metzger**, a senior in Chemical Engineering at Villanova University, received the **Merck Award**. Debra is President of the Villanova SWE Student Section and she is also a member of AIChE student chapter. She was inducted into Tau Beta Pi and Phi Kappa Phi during her junior year. Debra states that as a child she wondered “why brownies bake the way they do. Now as an engineer, (she) could possibly lead a design team that develops a new method for baking brownies.”

**Laura Zager**, a junior at Swarthmore College, received the **Verizon Award**. Laura is pursuing a double major in Engineering and Mathematics. She is President of Swarthmore’s SWE Student Section, where she has been working hard to revitalize the section. She is also the Secretary of Swarthmore’s IEEE Student Chapter and Secretary of the Engineering Student Council. Many of Laura’s activities involve helping other students with their computer problems (she is a dorm computer consultant), their writing skills, and their electrical engineering course work. She also serves as Webmaster for the engineering department. In her spare time (!), Laura has learned to use lathes and milling machines in the shop and has completed several projects using stick and heli-arc welding. This summer she plans to do some work in optoelectronics sponsored by the National Nanofabrication User’s Network at Stanford University.

**Colleen Colarik** is a junior in Electrical Engineering at Widener University and a member of Widener’s SWE Student Section. Colleen helped with the laboratory sessions at the SWE-Widener Engineering Mini-Camp. She is also a member of IEEE student section and Tau Beta Pi (engineering honor society). Colleen states that it was in her high school physics class that she finally got to see what all the equations that she learned in math class were good for.

**Loren Minutoli**, a junior in Civil Engineering at Widener University, is a past recipient of a SWE Philadelphia Scholarship. She is Vice President of Widener’s SWE Student Section and is an active member, working with the Engineering Mini-Camp, Widener’s Open House, a dedication ceremony for a new lab and Engineer’s Week activities for the School of Engineering. Loren is also President of Widener’s ASCE Student Section and actively participated in their activities. She has been a member of Widener’s Honors Program for three years. She is also involved in a number of non-engineering related activities, including earning varsity letters in tennis and basketball. Through her participation in sports, Laura has “come to understand and appreciate the value of working towards a common goal with teammates.”

**Quynh Pham** is a sophomore Computer Science major in the engineering program at Penn State Abington. She has participated in two ACURA (Abington College Undergraduate Research Activities) projects, both related to computer science. She is involved in the Penn State Abington Mentorship Program and also served as a tutor in math for Abington students and in English-as-a-Second Language (ESL) for adults in the community. Quynh was

one of the three programmers on the seven-person school team that competed in a National Robotic Competition in April 2001. Although she grew up in Vietnam, a country that upholds a belief that women should be considered inferior to men, her “mother has consistently encouraged and convinced” her “that anything is possible if we put our minds to it, with determination and will.” Quynh loves computer programming and remains “in awe at its capability and impact on society - in such aspects as education, government, and industry.”

**Renee Robert** is a freshman Civil Engineering student at Widener University. She is a member of Widener’s SWE Student Section and worked at the Girl’s Engineering Mini-Camp in February. She is also a member of ASCE. She has been asked to work in the University’s Math Center next fall to help students when they run into difficulty with their math courses. Renee participated in several science fair competitions in high school and received SWE awards for at least one of her projects; in two cases, she was the first from her school district to attend. Renee has been interested in engineering since she was a child of about four or five years and she had the opportunity to examine with her father the plans submitted to the local planning commission for review.

**Devaki Shah**, a sophomore engineering student in Computer Sciences at Penn State Abington, came to the US just three years ago. This school year she participated in an Honors Project to create teaching tools for the Physics Department; she also served as Treasurer of the campus Math Club. Her freshman year ACURA (Abington College Undergraduate Research Activities) project was “Numerical Methods in Theoretical Physics.” Devaki receives encouragement to pursue excellence from her parents, who are both engineers. One of her goals is “to be recognized as a leading contributor in the field of data security and cryptography.”

**Melissa Simon**, a freshman in Bioengineering at the University of Pennsylvania, is a member of Penn’s SWE Student Section and the Society of Bioengineers. Melissa is also involved in a program sponsored by Big Sisters of Philadelphia to provide weekly mentoring of female students at a local middle school. During freshman year, her class completed a project to design a therapeutic device to aid young children. Melissa is very interested in eventually making her own contributions to the advancement of medicine.

**Marla Stump** is a freshman Bioengineering student at the University of Pennsylvania. She is a member of Penn’s SWE Student Section and was elected co-chair of their SWE Corporate Dinner for 2002-2003; she is also a member of the Society of Bioengineers. In addition, Marla participates in several other technology and community-related service activities. She believes that bioengineering provides the path for her to reach her goals of working with others, always improving and actively engaging problem-solving skills, studying the miracles of the human body, and in some way improving the quality of human life.

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## More Section News

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### Certificate of Merit Program

As of May 15th, 74 high schools within the Philadelphia Section boundaries have responded to this year's Certificate of Merit program to recognize the achievements of high school girls in the study of math and science. The following schools have requested a **SWE presenter** for the awards:

#### Certificate of Merit Presenters Needed - 2002

School	Location	Date	Time	Presenter
McCaskey HS	Lancaster	May 14	6:30 pm	Marsha Bischel
Pottstown Sr HS	Pottstown	May 20	7:00 pm	
Strath Haven HS	Wallingford	May 21	7:00 pm	
Abington Sr HS	Abington	May 22	7:30 pm	
Nazareth Academy HS	Philadelphia	May 23	8:30 am	
Garden Spot HS	New Holland	May 23	6:45 pm	Betsy Schott
Haverford Sr HS	Havertown	May 28	7:00 pm	Susan Best
Downingtown Sr HS	Exton	May 29	7:00 pm	Diana Fernie
Villa Joseph Marie HS	Holland	May 30	9:30 am	Valarie Schrandt
Gwynedd Mercy Academy	Gwynedd Valley	May 31	9:00 am	
Pottsgrove HS	Pottstown	June 4	8:45 am	Heather Bernardin
Wissahickon HS	Ambler	June 5	7:00 pm	Jen Coriale
William Tennent HS	Warminster	June 5	7:00 pm	Florella Flores
Sun Valley HS	Aston	June 10	6:00 pm (dinner)	Mary Ann Skeeahan
Springfield Township HS	Erdenheim	June 12	10: 00 am	Nicole Wilson
Central Bucks HS West	Doylestown	June 13	7:00 pm	
John Bartram HS	Philadelphia	June 17	10:00 am	

If you are interested in presenting the awards at any of these schools, please contact Barb Faust (215-256-6463 or [Barbara.Faust@swe.org](mailto:Barbara.Faust@swe.org)). The Certificates are sent to the schools. A sample presentation format is available for your use. The amount of time required varies with the school.

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### New Arrival

Congratulations to Jen Wetzel and her husband on the birth of their son. Owen Gregor Wetzel was born on April 12, 2002; vital statistics: 8 pounds, 20 and 1/2 inches long. Jen had to stay a few extra days in the hospital. She is now home and would love to hear from you.

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*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.*

# ***Around the Region***

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## **Region E Spring Conference - The Path Less Traveled**

Over 100 women from six states, including several Philadelphia Section and local student section members, attended the Region E Spring Conference hosted by the Lehigh Valley Section on April 19-21 at the Radisson Hotel Bethlehem. The conference was both fun and informative. Keynote speaker Dr. Julie Shimer, CEO of Vocera Communications, made the first public demonstration of a new voice communications product that will soon be coming to market - an item seen on *Star Trek* may soon become a commercially available reality! Dinner speaker Gerson Montenegro from Johnson & Johnson (and a SWE Rodney Chip award recipient) provided some practical advice that is good for many aspects of life. After dinner, Tom Sparrough, the Space Painter, performed his inspirational juggling routine that included 100 % audience participation in tossing coffee filters around. Sunday brunch speakers Art Katsaros, VP of Air Products and Randi Minetor, author of the book *Breadwinner Wives*, also provided food for thought. The workshop sessions tended to be very interactive and they provided a good exchange of information on topics that included working overseas, different work arrangements, fitness, working in a Congressional office, community issues, and fun ways to teach kids about science. At the Region E meeting on Sunday, nominations were taken for FY03 officers and for hosting the next region meeting.

### **Lehigh Valley Section**

- Lehigh Valley Section is very pleased with the success of the Region E Conference. Proceeds from this event will provide some financial stability for future activities and support of their scholarship program.
- SWE-LV is awarding five \$1000 scholarships this year to young women entering engineering. As part of their program, each student will be paired with a SWE mentor.
- The Certificate of Merit to recognize the achievements by young women in math and science is being coordinated by Colleen Kulick; presenters are needed for some schools. Contact Colleen (610-855-2131 or [colleen.kulick@parsons.com](mailto:colleen.kulick@parsons.com)) for more details.
- SWE-LV will be working with a local Habitat for Humanity Women Build campaign this fall.

### **DelMar Peninsula Section**

- The 2002 Science Olympiad will be held on May 17-18 at the University of Delaware in Newark, DE. For more information call 302-831-3145 or visit [scienceolympiad@udel.edu](mailto:scienceolympiad@udel.edu).
- If you are interested in learning to golf or joining a women's league, contact Barbara Zubenko ([bzubenko@dca.net](mailto:bzubenko@dca.net))

### **New Jersey Section**

- SWE NJ hosted the Hoffman Program for teachers and guidance counselors of NJ on Tuesday, April 23rd. SWE provided three trained Hoffman Program presenters and was registered with the State of NJ to provide Continuing Education credits to participants.

### **Baltimore-Washington Section**

- SWE-BW has put together a team that will be participating in this year's National Race for the Cure on Saturday, June 1, 2002. For more information or to register online, go to [www.nationalraceforthecure.org](http://www.nationalraceforthecure.org). When registering, be sure to write in **SWE** as your TEAM CODE and contact TEAM SWE Captain **Diana Joch** at [diana.joch@swe.org](mailto:diana.joch@swe.org) so you can be on the list for information on where to meet the day of the race.

### **Drexel University Student Section**

- For information on activities of the SWE Drexel Student Section, visit [www.pages.drexel.edu/~dsoswe](http://www.pages.drexel.edu/~dsoswe) or contact [swe@drexel.edu](mailto:swe@drexel.edu).

# Professional Development News

## Eastern Technology Council

Maggie Schwartz attended an Eastern Technology Council program on "Breaking Down Barriers and Expanding Opportunities - A Closer Look at the Changing Role of Women in Engineering," which was held on April 23, 2002 at InterDigital Communications Corporation in King of Prussia. The Council serves leaders of technology-oriented companies by providing valuable contacts, capital, and information with a broad range of events, publications, and innovative services. Information about the Council can be found at web site: <http://www.techcouncil.org>.

In 1978, less than 2 % of all engineers were women. Today, women account for 12.4 % of the engineering workforce, and the numbers are rising. Guy Hicks, VP of Communications at InterDigital, led a panel discussion exploring the new face of the modern engineering workforce. Panelists included people from academia, consulting, corporate management, technical engineering, and recruiting. Topics of discussion included: Is gender an issue in the field of engineering? How much of a difference, if any, does it make to be a woman in engineering? How do women get involved with engineering and are the numbers increasing? How can businesses support and encourage more women to enter the field of engineering?

The discussions started off with an observation by Guy Hicks who stated that - when you have a tough problem, get a smart woman. He then asked how he could prepare his eight-year old child for a technical career. Suggestions included introducing children to simple puzzles at age two or three and to more complex puzzles as they grow.

Dr. Banu Anaral, soon-to-be-announced Director of the new school of Biomedical Engineering at Drexel University, observed that there is a 50/50 male/female ratio in her classes. She thinks that this ratio is in part due to the subject matter which has attracted many female students.

Schedule flexibility was cited by several panelists as a way for businesses to support and encourage women in the field of engineering. Sondra Barbour, E-Transformation Program Manager for Lockheed Martin, spoke about keeping a job she loved - software development and managing 500 professionals for LM Management & Data Systems while raising two small children. She stated that her husband was very supportive and that M&DS allowed her great schedule flexibility. Dr. Ariela Zeira, Senior Director, Advanced Technology Development at InterDigital, also pointed out that flexible schedules make a big difference to women in the workplace. Dolores Howry, Senior Software Engineer at InterDigital, talked about negotiating a part-time schedule after her child was born. She wanted to work, but was pulled by having responsibility for a small child. She now works part-time and can also log in from home.

Suzanne Fairlie, President and Technical Recruiter for ProSearch, Inc. started work as a math major and systems engineer at IBM in 1964. She became a professional recruiter 14 years ago. Her advice is to take charge; if anything goes wrong, you have only yourself to blame; be proactive in changing teams - take the lead task.

## Job Bank

**Project Engineers** are sought for Bruce E. Brooks and Associates, consulting engineers, to join their growing firm in newly renovated offices in Center City, Philadelphia. Requirements: BSAE or BSME degree, minimum 5 years experience in HVAC design, strong communication and organizational skills; plumbing and fire protection experience is a plus; 8+ years experience and a P.E. are preferred. Please send resume and cover letter to: Bruce E. Brooks and Associates, 2209 Chestnut Street, Philadelphia, PA 19103; FAX: 215-569-0400; E-mail: [bruce.brooks@brucebrooks.com](mailto:bruce.brooks@brucebrooks.com); Web: [www.brucebrooks.com](http://www.brucebrooks.com).

*The SWE MISSION is to:*

- C stimulate women to achieve full potential in careers as engineers and leaders;*
- C expand the image of the engineering profession as a positive force in improving the quality of life;*  
*and*
- C demonstrate the value of diversity*



**SWE Philadelphia Section**  
**c/o The Engineers' Club of Philadelphia**  
**215 South 16th Street, Suite 36**  
**Philadelphia, PA 19102**

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

**SWE Philadelphia Section Newsletter**  
**May 2002**

**Section Business Meeting**  
**May 19, 2002**  
**Collegeville, PA**  
**RSVP to Heather Bernardin**

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*Thank you!*