



Society of Women Engineers - Minnesota Section

"Leveraging Shared Visions"

Volume 17, Issue 1, September 2003

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President's Message

Alyse Stofer

Can you believe it is already time to start another school year? This is the first time in several years I have not been inside a classroom right after Labor Day. Before I go much further, let me introduce myself to you. I am a mechanical design engineer at Transoma Medical in Arden Hills. This past May I completed my master's degree from the University of Minnesota. I received my bachelor's degree from the University of Iowa, and I first became active in SWE at the University of Iowa, in Iowa City. In the SWE-MN section I have held a variety of positions including Membership Chair, Secretary and Vice President. This past spring I was honored to be SWE's top "New Face in Engineering" and featured in USA Today.

Now that I am no longer juggling my time between school and work, I can start enjoying my hobbies again, like seeing my husband and playing with my cats. Kevin and I have been married for five years and he tolerates my support of the Hawkeye football team and my promotion of the University of Iowa at college fairs because we both grew up in the Twin Cities. I also enjoy reading, biking and gardening, as well as cheering for the Gopher and Wild hockey teams. I am very excited to start this year as the SWE-MN president with a solid budget in place and the programs theme "Leveraging Shared Visions."

This year professional development meetings will be focused on the theme "Leveraging Shared Visions." With the ever-changing world and economy, programs will encompass celebrating our diversity

and illustrating our similarities as women engineers. The continuing development committee has exciting professional development programs and networking opportunities already in the works. I am looking forward to kicking off the year at our annual open house, which is going to be at the University of Minnesota where the Petticoats and Slide Rules exhibit is currently being displayed. The exhibit embraces this year's program theme as the history of SWE women engineers is displayed through photographs, letters and newspaper articles.

In addition to the programs that will be offered this year, I am looking forward to working with several new Executive Committee members. Joining us this year as a Continuing Development Co-Chair is **Caroline Koerner**. **Jen Nolan** is our new web master and has developed a fantastic new SWE-MN website, which is located at www.swe-mn.org. **Tara Dorn** and **Holli Pheil** also joined the Executive Committee as Outreach Co-Chairs. I am looking forward to their new ideas. If you are interested in joining a committee or finding out more about the Executive Committee, please attend any of our monthly meetings. Also, this fall I am excited to be attending the National Conference in Birmingham, Alabama. I hope that individuals attending the Conference from Minnesota can get together during the week, so contact me if you plan on attending this event.

Please feel free to contact me with any issues or concerns that you may have and continue to check our website for the latest SWE-MN information. I look forward to seeing you at a meeting or event this year.



**Introducing the
SWE-MN Executive
Council...**

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programs@swe-mn.org

COR Report

Allison Pedersen & Julie Long

The new Society president, Alma Martinez-Fallon, has outlined her goals for FY04. They include making final enhancements to the Society's website, strengthening our operations infrastructure, focusing on membership growth, membership retention and fund development, improving our annual business operating plan process, support society organizational changes, and developing advocacy strategies. Membership growth and retention was one of the issues discussed at the first Board of Directors Meeting held on August 9. The BOD is looking to develop key strategic programs to improve in this area and also develop and implement metrics to measure membership growth and retention. Other issues discussed at the BOD meeting included development of a performance scorecard for the Board of Directors, status of the bylaws and BOD procedures, SWE sponsorship of the 2006 E-week and "Why SWE?"

As you are aware, the Society bylaws have been further worked on this past year with the intention to vote for approval of the proposed bylaws at the Society's National Conference – "Supporting the World through Engineering" in October. Version 6.3 of the bylaws revision is the official version published in the SWE magazine and currently posted on the SWE website (www.societyofwomenengineers.org/swe/cor.aspx). Also, on the website is a summary of the differences between the current and proposed bylaws, and a FAQ document to help answer any questions you may have related to the bylaws. The COR will be voting on these bylaws at the Conference in October and we will have the opportunity to modify them before voting on them at the COR meeting. If you have any questions or concerns related to these bylaw changes that you would like to voice, please contact either Allison Pedersen (allison.pedersen@goodrich.com) or Julie Long (julie.long@ci.bloomington.mn.us)

At all levels of SWE, national, regional, and local, there is a focus to answer the question of "Why SWE?" What is it about SWE that ignites your passion and what do you want the organization to be to serve you and your values? Are the mission and objectives aligned with what you feel they should be? What is your one-minute elevator answer to this question? Please consider sharing your answer with members of the Executive Council either in person or via e-mail.

University of St. Thomas

UST Student SWE Section Counselor Naomi Brill reports that the UST section began planning for FY04 before they went on summer break. The UST Section is hoping to have another evening with industry, several outreach events at local schools, and professional development speakers at lunch meetings. The FY04 UST President is Kerri Thompson, assisted by Kara Torgerson. (kmthompson@stthomas.edu and kmtorgerson@stthomas.edu). If you're interested in talking to the group about your career and job responsibilities, contact the students! They are particularly interested in mechanical and electrical engineering careers.

Speakers Bureau

Laura Kerdius
651-456-2943
speakers@swe-mn.org

Webmaster

Jen Nolan
612-373-6504
webmaster@swe-mn.org



*WELCOME to our newest
Minnesota Section members:*

Shayra Arocho
Rebecca Bates
Rose Elliott
Elizabeth Hilbourn
Elizabeth Kane
Laura Marsden
Beth Nollenberger
Raia Ottman-Rak
Linae Patterson
Holli Pheil
Chrismar Scribner
Dominique Seetapun

Scholarship Committee Ready to Go

Leanne Knutson & Naomi Brill

The Scholarship Committee is geared up for another year of bringing recognition and financial resources to deserving young women. We're also working to expand the number of scholarships we offer, in spite of the tough economy. And we're working to expand the number of scholarships available to civil engineering students. As always, we have opportunities big and small to help! A lot of our work involves mailing/advertising our services to Minnesota high schools and universities. If you've got a few hours to help collate a mailing, or eight hours next March to judge scholarship applications, we'd love to have you join us. See us at the SWE Minnesota Open House, or contact Leanne Knutson, leanne.knutson@emersonprocess.com, 952-949-7578, or Naomi Brill, nbrill323@yahoo.com, 651-636-8676.

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A Call For Fund Development Committee Members

You think that you want to be involved with SWE but you're not sure how. You want to do something meaningful but it can't take up too much time. And, if it's not too much to ask, you'd like to be able to learn a new skill and perhaps become more marketable in today's economy. OK, maybe you just want to help out. Join the Fund Development Committee!!!!

What does the Fund Development Committee do? We develop funds, of course. Funds for what? Funds for Outreach programs, funds for scholarship, funds for operating expenses. All the money that SWE- MN uses needs to be generated. We help generate it.

What would you do and how much time would it take? We are looking for a group of about five people (we will gratefully take more) that are willing to do a little brainstorming, a little research and perhaps a little writing. Meetings would be every other month. The average Fund Development committee member will spend about five hours a month doing committee work.

If this sounds like your kind of committee, please contact *Liz Lehrkamp* at fund@swe-mn.org.





SOCIETY OF WOMEN ENGINEERS

Minnesota Section

Please join us for our Open House!

This is a great chance to get to know members of the SWE-MN section and find out about the exciting activities planned for the year. The theme of this year's programs is *Leveraging Shared Visions*.

The open house will be held

Wednesday, September 10, 2003 6:00 - 7:30pm

At the exhibit: *Petticoats and Slide Rules:*

SWE, A History of Women Engineers

There will be an opportunity to view the exhibit.

University of Minnesota Walter Library
117 Pleasant St SE Minneapolis, MN 55455

For map and directions visit www.umn.edu
and search for Walter Library

Dinner will be provided! {No cost for attendance}

Please RSVP by Sept. 5th to Cheri at
(952) 828-3594 or

cheryl.bernstetter@EmersonProcess.com

SPACE CAMP RECIPIENT

A special congratulations to **Noel Suri**. Sponsored by SWE-Minnesota, Noel was selected to attend the Society of Women Engineers Science Fair Campership Program in August.

The Society of Women Engineers (SWE) Science Fair Campership Program offers an opportunity for young minority women to attend Space Camp for one week. The scholarship includes transportation to and from Space Camp, room, and meals. This Program is funded by a grant from Hewlett-Packard (HP) Company and General Motors. Its primary goal is to attract young minority women to engineering and science careers. Based on Federal definitions and statistics, minority groups have been identified for this Program that are underrepresented in engineering and science.

MEMBER NEWS

New Jobs. . .

Tara Dorn will be working at Prior Lake High School as Resource Room Support. She will be tutoring and mentoring special education students.

Judy Teske moved to Napa, CA and she is the Program Director for Integrated Biosystems.

Heather Dolan moved from 3M New Ulm to 3M Cottage Grove. She will be working on a diamond abrasive disk that conditions polishing pads for the microchip industry. She is in a pilot plant facility and will be focusing on disk processing and test methods. Heather will also work on new product introduction, ISO certification, and cleanroom packaging.

Julie Long has a new job with the City of Bloomington Engineering Department. Her job involves planning, design and construction of roadway projects and plan review of new developments in Bloomington. She is looking forward to improving her verbal communication skills through dealing with resident complaints and speaking in front of the City Council.



Calling all members who've ever wished their guidance counselors and teachers had more information about engineering! You won't want to miss this event!

SWE's Hoffman Program

A workshop to encourage girls' interest in math and science

SWE-MN is proud to host the Hoffman Program, a workshop sponsored by SWE's Career Guidance Committee and funded through the Hoffman Trust. **This one-day workshop is dedicated to helping guidance counselors, math and science teachers, and parents feel better prepared to encourage middle/junior-high school girls to remain interested in math and science and to consider engineering as a career.** The workshop consists of five sessions that cover information on engineering careers and methods for helping girls stay interested in math and science. Participants will experience hands-on projects that can be replicated in the classroom. The workshop is facilitated by SWE members who belong to the National Career Guidance Committee, and it is provided at **no cost to participants**. Lunch is included.

To make this program a complete success, **we need at least 10 SWE-MN members in attendance** to provide the educators with informal networking opportunities with real engineers. We also know that many of you may want to see for yourself that secondary educators are *finally* being given accurate information about the breadth and depth available in engineering careers. There's also a special bonus: Hoffman Program participants will have one last opportunity to view SWE's Petticoats and Slide Rules exhibit before it ends its stay in Minnesota. Whatever your reason for attending, we look forward to sharing the experience of this exciting program!

See the registration information below, and check out www.swe-mn.org for additional information.

Hoffman Program
Saturday, September 27, 2003
Walter Library, University of Minnesota
Twin Cities Campus
8:30 AM - 3:30 PM

Seating for this special program is limited. The first 10 SWE-MN registrations will be confirmed immediately. Additional SWE-MN registrations will be filled on a first-come, first-served basis as seats are available after all educator registrations are confirmed. Confirmations for all registrations will be sent via email no later than Wednesday, September 24th.

To register, please send an e-mail to swe_hoffman@yahoo.com or send in the following registration form to SWE-MN, Attn: Hoffman Program, P.O. Box 582813, Minneapolis, MN 55458-2813. **The registration deadline is Monday, September 15th.**

Yes, please sign me up for the Hoffman Program on Saturday, September 27th from 8:30-3:30.

Name _____ Email Address _____

Phone _____

SWE-MN member? Yes No

Special Meal Requirements? _____

A workshop to encourage girls' interest in math and science

SWE's Hoffman Program

SATURDAY, SEPTEMBER 27th



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Speakers Bureau
Laura Kerdus

To better serve the SWE-MN members, the Speakers Bureau has been restarted. The Chair of this bureau will be held by Laura Kerdus. It is her hope to provide a resource to all members for help in creating fun and exciting presentations for students. In her role as speakers bureau chair, she will give the community a single contact point to find speakers for different engineering events. Please watch for further news about opportunities to interact with the community and the continuing development of this position. If you have any questions or comments for Laura, please contact her at speakers@swe-mn.org.

Every SWE member is entitled to one "free pass" to give to a non-member to attend one meeting this year at no cost. You can bring a friend to an upcoming meeting or save your "free pass" for the annual Spring Seminar - it's your choice!

SWE Member's Name: _____

Friend's Name: _____

Meeting Date: _____

Offer good through 6/30/2004



Programs - October Notice
SOCIETY OF WOMEN ENGINEERS MINNESOTA SECTION
OCTOBER 2003 PROFESSIONAL DEVELOPMENT MEETING NOTICE
Leveraging Shared Visions: Creative Memories Technology Center Tour

Creative Memories was founded in 1987 in St. Cloud, Minnesota, by Minnesota businesswoman Cheryl Lightle and Montana homemaker Rhonda Anderson. The company is now represented by more than 60,000 consultants throughout the United States, Canada, Australia, the United Kingdom, New Zealand, Germany, Japan and Taiwan.

Please join us for a tour of their Technology Center. A company introduction will be given by Amanda LeBlanc and the Technology Center tour will be lead by adhesives expert, Joe O'Shanka. The team of scientists in the Technology Center is responsible for scientifically testing and evaluating products in the Creative Memories Collection. The continuous scientific research ensures that Creative Memories products meet or exceed national and international standards for photo storage. As the field of image permanence continues to evolve and the nature of photography changes, Creative Memories is committed to staying on top of developments - if not one step ahead. Following are some examples of the scientific equipment in the Technology Center utilizes: accelerated aging chambers, thermal analyzer, color and infared spectrophotometers, mechanical test system, weather-ometer, digital imaging center, paper testing center and viewing booth. Demonstrations of some of the equipment are planned for the tour.

Please note: We will not be viewing any actual manufacturing of Creative Memories Products, as their manufacturing facility is closed on weekends.

- WHEN:** Saturday, October 4, 2003
 10:00AM Tour / 11:00AM Lunch
- WHERE:** Creative Memories
 3001 Clearwater Rd
 St. Cloud, MN 56301-5949
- COST:** Tour & Lunch: \$10 for SWE Members
 or \$13 for non-members
 Tour ONLY: \$5 for SWE Members
 or \$7 for non-members
 Cancellations by Oct 1st will receive a full refund. No refunds issued after Oct. 1st.
- RSVP:** Wednesday, October 1st by returning the form below or emailing programs@swe-mn.org
- LUNCH:** Lunch will be provided at Granite City Brewery.
 Further information on the meal will be provided.



Directions to Creative Memories: Go West on I-94. Take CR75-Exit 171. Turn Right (North) and continue for approximately 2 miles. At Clearwater Rd (the second stoplight), turn right. Creative Memories is the first building on the left.

Questions??? Call or email Cheri at 952-828-3594 or programs@swe-mn.org.

Please fill out this form and return it by the RSVP date if you will be attending the October 4th Professional Development Meeting, "Creative Memories Technology Center Tour."

Name: _____

Company: _____

Email: _____

_____ Tour & Lunch _____ Tour Only

We would like to set-up some carpools.

___ I can drive. I can take _____ passengers.

___ I would like a ride from _____.

Send this form and check (made out to SWE-MN) by October 1st to:

Rosemount Nuclear Instruments, Inc.

Attn: Cheryl Maboudou-Tchao

M/S: BM01

12001 Technology Drive

Eden Prairie, MN 55344



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The SWE-MN section has had the opportunity to host the exhibit ‘Petticoats and Slide Rules: SWE, A History of Women in Engineering’ since the middle of June. The exhibit will be on display at the Walter Library on the University of Minnesota - Twin Cities, East Bank campus until September 30 2003. The opening event was held June 24th with great reviews from those who attended. The Petticoats & Slide Rules committee did a wonderful job planning and holding the event! Thank you for all of the hard work!

Many different student groups have visited the exhibit to learn more about women in engineering. Laura Kerdus, Speaker’s Bureau chairperson, has volunteered to meet with groups visiting the exhibit and has had a wonderful experience interacting with exhibit visitors. The students have enjoyed activities related to the exhibit, along with asking many questions about being an engineer!

An event is in the works for approximately 80 fourth graders to attend the exhibit, including hands on activities. The tentative date for this event is September 19, 2003. This event will be similar to the Girl Scouts Badge events, but reaching a wider group of students. Many volunteers will be needed to make this a successful event so anyone who is interested please contact Laura Kerdus at laura.c.kerdus@lmco.com.

The annual open house for SWE-MN will be held at the Walter Library and will include the University of Minnesota’s Student Section. This will be a wonderful opportunity for the professional section and the student section to network; allowing members to view the exhibit.

While in Minnesota, the exhibit has reached many students with its message of inspiration and education to future generations about the changing roles of women in the engineering profession. Hopefully it will be able to reach many more before it leaves for its next location. A special thanks needs to be given to not only SWE-MN, but also to the U of M Institute of Technology and Lockheed Martin for their generous contributions to the expenses associated with the exhibit. The exhibit was made possible through the contribution of Ford Motor Company and was developed by the SWE Archivist, at Wayne State University in Michigan.

Babies

Kari Tarpey, had a baby girl, *Carolyn Pearl Tarpey*. Carolyn was born on Thursday, June 26th at 12:49pm. She weighed 9lb, 1oz and was 21.5 inches long. Congratulations to Kari and her family.

Awards

On May 6th, 2003, Jayshree Desai received Advanced “Toast Master Bronze” title from Toastmaster International.

Weddings

Cheri Bernstetter is now... Cheri Maboudou-Tchao. Cheri married Edgard (Gaga) Maboudou-Tchao on July 19, 2003. Congratulations to Cheri and Gaga. We wish you all the best.

Jen Nolan and Dan Desrude will be married on September 13, 2003. Congratulations to Jen and Dan.

Laura Thysell and Jay Matter will be married on October 25, 2003. Best wishes to Laura and Jay.



September 10	Open House - See Page 4 for Details
September 23	SWE EC Meeting
September 27	Hoffman Program - See Page 5 for Details
October 4	Creative Memories Tour - See Page 7 for Details
October 21	SWE EC Meeting
November 17	SWE EC Meeting

Visit our NEW and IMPROVED website
at ***www.swe-mn.org***



SOCIETY OF WOMEN ENGINEERS
PO BOX 582813
MINNEAPOLIS, MN 55458-2813

CHANGE SERVICE REQUESTED