

Willamette Valley Section News

June/July 2009

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Society of Women Engineers

ASPIRE • ADVANCE • ACHIEVE

President's Letter

By Lorraine Wang

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I hope everyone is enjoying the wonderful Oregon summer! Look for the next year of WVS-SWE events to kick off in September. In the meantime, here are a few things I'd like you to consider as you relax during this vacation time.

Renew your Membership!

The SWE FY09 fiscal year has now ended, so please remember to renew your membership. In addition to the numerous benefits you receive from SWE such as free professional development webinars and SWE magazine, a portion of your membership fee is refunded to our local section. This membership rebate is a significant portion of our annual income. If you've enjoyed the programs that we've put on in the last few years, please support our section and national SWE by renewing your membership.

Committee Chairs needed!

As our FY10 officer and committee chair roster fills up, we are still in need of several committee chairs. The chair positions that most urgently need to be filled are Essay Contest and Pre-College Outreach. If you are interested in volunteering for these positions or if you would like more information, please contact me (lorraine.c.wang@hp.com)

Networking opportunities!

There are several SWE networking opportunities coming up that I'd like to highlight.

August 14-16: ABJ Conference @ Whidbey Island Naval Base, Oak Harbor WA

- Registration is all-inclusive for lodging, food, and events.
- This is a relatively small conference in a beautiful location.
- More information can be found at: http://www.swe-sps.org/public_events.htm

October 15-17: WE09 National SWE Conference @ Long Beach Convention Center, Long Beach CA.

- This is a huge conference attended by professional and collegiate members with events including classes, workshops, seminars, keynote speeches, sightseeing tours, and technical tours.
- Course credit can be earned for a variety of professional certification programs.
- The career fair normally brings in ~ 250 companies, universities, and government agencies.
- At this year's conference, our own Toni Doolen will be recognized as a SWE Fellow.
- Events and lodging can fill up quickly so early registration is encouraged.
- Official information can be found at: <http://we09.swe.org/>

Who's Who

Executive Council

President: Lorraine Wang

541-715-4020, lorraine.c.wang@hp.com

VP, Professional Development:

Melissa Martinez

541-926-4211 ext. 6001

melissa.martinez@wahchang.com

VP, Career Guidance: Celeste Baine

541-747-2405, celbaine@aol.com

Treasurer: Clara Swearingin

541-715-1342, clara.swearingin@hp.com

Secretary: Abbie Kimerling

541-757-2047 ext. 217

abbie.kimerling@imtech-or.com

Section Representative:

Roberta Stinson

541-715-2830, roberta.stinson@hp.com

Section Rep Alternate: Becky Clark

541-715-7734, becky.clark@hp.com

Committee Chairs

Banquet: Toni Doolen, toni.doolen@swe.org and Patty Kellar, patty.kellar@hp.com

Certificate of Merit: Andrea Knight, drea228a@gmail.com and Nancy Beaudry, nancy.beaudry@wahchang.com

Essay Contest: Jenny Shih, jenny.shih@hp.com

Fund Development: Myra Long, myra.long@hp.com

Girl Scouts: Andrea Knight, drea228a@gmail.com and Becky Clark, becky.clark@hp.com

HP Liaison: Patty Kellar, patty.kellar@hp.com

Membership: Kathy Lane, ljeff44@msn.com

Newsletter Editor: Amy Welter, amy.welter@swe.org

Nominating Committee Member (elected): Meredith Myers, meredith.myers@hp.com

OSU Counselor: Deanna Lyons, kashka1@comcast.net

Pre-college Outreach: OPEN

Professional Development Programs: Laura Kramer, llbnkmk@gmail.com and Zhuqing Zhang (ZZ), zhuqing.zhang@hp.com

Publicity: Barbara Hazlett, barbara_hazlett@hp.com

Scholarship: Peggy Koch, peggy.koch@hp.com

Webmaster: Celeste Baine, celbaine@aol.com

Recognition Corner

Willamette Valley SWE Member Toni Doolen to be Awarded the SWE Fellow Grade!

Member Toni Doolen will be recognized as a SWE Fellow at the SWE National Conference in Long Beach, California, this fall. She was nominated by the Willamette Valley SWE Section for the Fellow Grade Award. The Fellow Grade is the highest membership level possible in SWE and one of the most prestigious awards that an individual member can receive. Only seven Fellows were named last year. Below is the description of the award. See Toni's "Meet A Member" article on page 4 for more information on her background.

The Fellow Grade Award description:

The Fellow Grade is an honor conferred on SWE members "in recognition of continuous service to the advancement of women in the engineering profession". The award requires at least 20 years of SWE membership.

Objective

The ideal candidate will be:

- A woman who has achieved professional excellence, while also making substantive contributions towards advancing the objectives and goals of the Society as stated in the bylaws.
- A woman who has contributed significantly to the public's awareness of engineering as a profession for women, and informing employers, the profession and the public of women's contributions to the fields of engineering and/or engineering management.

Congrats, Toni!

DESTINATION IMAGINATION THANKS SWE

I'd like to thank SWE on behalf of the Corvallis Destination Imagination teams for their support over the years and for supporting the three teams that went to Global Finals this year: The Hoover Elementary School "ViDIo Lits Hits", "A New Angle" teams and the Crescent Valley High School "Private DI" team.



Sincerely,
Sangita Betrabet (Team Manager: Hoover Elementary School "ViDIo Lit Hits")

About Destination ImagiNation:

Destination ImagiNation, the world's leading creativity, teamwork and problem solving experience for young people from kindergarten through college, serves more than 12,000 student teams in 50 states and 40 countries. Every season, teams of up to

seven participants compete regionally with the goal of advancing to the Global Finals. Teams work together for several months to create their solutions to Team Challenges, which can have theatrical, structural, improvisational, scientific or technical focuses. Teams also learn and practice creative quick-thinking skills for the Instant Challenge portion of the program.

Visit our website at <http://wvs-swe.engineeredu.com/>

Calendar of Events

JULY

1 EC Meeting, TBD
TBD Meet'n Greet Lunch

AUGUST

1 Officer Transition Brunch,
Abbie's house (see article)
5 EC Meeting, TBD
TBD Meet'n Greet Lunch

SEPTEMBER

2 EC Meeting, TBD
TBD Meet'n Greet Lunch
TBD Fall Kickoff Meeting

Local News

WVS and Columbia River Host Joint Program in McMinnville

On a beautiful summer Saturday afternoon, the SWE Willamette Valley Section and Columbia River Section hosted a joint activity in McMinnville, Oregon. Four members from our section and eight from the CR section, together with some family and friends, joined this program. Thanks to the Program chair of the SWE CR section, Jinx Kuehn, who worked out the logistics and details of the event, we had a great time visiting the Evergreen Aviation Museum, touring a local winery and enjoying time together networking over lunch and dinner.



After a quick introduction to the members from both sections and lunch at the Spruce Goose café, we went on a guided group tour of the aviation museum. The tour guide was a former US Navy pilot, who was trained and flew on many of the collections in the exhibition. As engineers, we certainly enjoyed the technical details of



these airplanes. But, we also were intrigued by the stories associated with them. After the tour, some members and family continued with the new space museum and IMAX movies, while others drove to Walnut City WineWorks for a wine tasting and wine making tour. While enjoying the produce of the Pacific Northwest vineyards, we learned the process and wine making, the arts of wine tasting, and also had a lively discussion with the winemaker on the environmental impact and the sustainable growth of the local wine industry. After the winery tour, we had dinner at the Golden Valley Brewery & Pub, which offered another excellent opportunity for us to know each other and network between the two sections.



We would like to thank all of you who were able to make it to, at least some part of, the joint program, especially our partners in the SWE CR Section. We have found many common interests that could become topics for joint activities and look forward to them in the future.

Don't miss the
Officer Transition Brunch!

August 1st

10 am – Noon

Hosted by Abbie Kimerling,

541-757-2047 ext. 217

abbie.kimerling@imtech-or.com

Visit our website at <http://wvs-swe.engineeredu.com/>

SWE Meet a Member: Toni Doolen



Where do you work?

I am an Associate Professor in the School of Mechanical, Industrial, and Manufacturing Engineering at Oregon State University.

What is your current job?

As a faculty member at OSU, I have three different types of responsibilities –research, teaching, and service. My research uses both quantitative and qualitative methodologies to study the impact of change mechanics

on organizational performance. My research has focused on the application of process improvement methodologies and innovation to improve both the social (work group performance, individual and team affect, skill development, etc.) and technical (productivity, quality, and cost) aspects of organizational performance. I teach courses in both manufacturing engineering and industrial engineering. Most recently, I have taught Management Systems Engineering, Lean Manufacturing Systems, Project Management, Introduction to Industrial and Manufacturing Engineering, and Senior Projects. I am involved in service to my profession largely through active involvement in professional engineering organizations, including SWE. I am a Technical Vice-President for the Institute of Industrial Engineers. I am also the editor for the Engineering Management Journal. I am a senior member of The Institute of Industrial Engineers, The Society of Women Engineers, and The Society of Manufacturing Engineers. I am also a member of the American Society for Engineering Management, American Society of Engineering Education and the Surface Mount Technology Association.

What is your engineering training and experience?

I received a BS in Electrical Engineering and a BS in Materials Science and Engineering from Cornell University, an MS in Manufacturing Systems Engineering from Stanford University, and my Ph.D. in Industrial Engineering from Oregon State University.

I gained 11 years of manufacturing experience at Hewlett-Packard Company as an engineer, senior member of technical staff, and manager. As an engineering manager, I played a leadership role in managing highly automated manufacturing lines that produce inkjet cartridges for Hewlett-Packard's DeskJet printers. I was the manager of a systems engineering team and was responsible for the electrical design and software development of multiple production lines. My team also had responsibility for supporting the replication of production lines and training of engineers from four other sites

worldwide. As an individual contributor, I worked on the creation and implementation of a process control methodology for two different divisions of Hewlett Packard. I established a worldwide process control strategy for a family of high volume assembly lines in Singapore, Puerto Rico, Ireland, and Corvallis.

When did you first consider engineering as a career?

I switched from the College of Arts and Science at Cornell University to the College of Engineering at the end of my freshman year. I completed an introductory course in Material Science and Engineering (so that I could figure out what my older brother did). I enjoyed the course so much that I switched from my pre-med track in the College of Arts and Science to Engineering.

When did you first get involved in SWE?

I was a member of SWE at Cornell (1986), but did not become very involved in SWE at that time. I was very involved as an undergraduate with chartering a student section of the Material Research Society. After moving to Silicon Valley for my first job with Hewlett Packard, I wanted to find a way to mentor and work with young children and girls and help them learn about engineering. I joined the Santa Clara Valley Section of SWE and become extremely active and involved with the section. I have had leadership roles in the Santa Clara Valley Section of SWE, at the national level and of course with WVS SWE.

What is your favorite part of SWE?

Meeting other women in engineering and helping deliver the message of the tremendous opportunities available to women in engineering

SWE involvement:

Lots of different roles over the years. I have served as President of both the Santa Clara Valley and Willamette Valley Sections of SWE. I have chaired Girl Scout programs/committees, Speakers Bureau, and Fund Development. I have held the role of Vice-President of Career Guidance, and most recently have served as the WVS Engineers Week banquet chair.

Interesting things about me:

I have played the violin since I was 10. I grew up in Billings, Montana. I married my high school sweetheart (and we are still married 22 year later ☺) I have three children (all teenagers now – Garrett 16, Taylor 14, and Nicole 14).

What are your hobbies?

Golf, golf, golf, golf. I also play indoor soccer (coed and women's). I love to read, particularly romance novels. I also love going to soccer games for my kids, playing golf with my oldest son, and watching my daughter compete in gymnastics.

WVS-SWE Executive Council Meeting Minutes

May 6, 2009

Scribe: Abbie Kimerling

Attendees: Lorraine Wang, Melissa Martinez, Celeste Baine, Becky Clark, Abbie Kimerling, Clara Swearingin

Budget

- HP Site Council funds: will not receive for FY09 banquet until this summer. Lorraine proposed we set aside those funds when received for the FY10 banquet.
- EC plans to review FY09 budget vs. actual expenses for the end of the year. [Clara to prepare a report for the next EC meeting.](#)

Planning for Future Expenses

Section Representative attend region conferences

- Need to have Section Rep at both ABJ meeting (need to communicate to Senators before National Conference) and at Region J meeting (Region J decisions made). We need to work on setting aside funding for travel, lodging, and registration fees.
- Would like to set up the Alternate Section Rep position as a Section Rep-Elect. The Alternate would shadow the Section Rep to learn about the position. FY10's shadowing roles are reversed, with Roberta as Alternate helping Becky learn the position. Hopefully Becky will continue in FY11 and we'll find a new Alternate to be trained to take over the position in FY12.
- Would be nice to have Alternate Section Rep also attend the ABJ meeting each year to receive training on being Section Rep and make connections within Region. Attendance would depend on meeting location and our section's funding status.
- FY10: ABJ meeting in Washington, August 14-16. Would be nice to have both Becky and Roberta attend. Lodging and food will be \$175 per person, plus travel. Region J conference (springtime) in Eastern WA, would like Section Rep to attend.

Donations to community groups

- Need to develop guidelines for donations to community groups. As our sources for funds decrease, we need to be more selective about what we support.
 - Would like to support activities instead of travel expenses for competitions or fundraisers. Prefer to purchase supplies and materials that groups need.
 - Would like to support wide-reaching activities, where many people would benefit. Prefer not to support small teams of children.
 - Would like to support engineering-related activities (e.g., robotics programs instead of drama-related programs).
- Is our funding from donors going to the desired categories? Need to have treasurer report (monthly or quarterly?) on status of donations our section has received, what the specified uses for the funds are, and how we have used the funds.

- Set up a "Funding Request" page on our website with our guidelines stated.
 - Need to be clear about the region of Oregon our section covers.
 - How easy is it for non-Corvallis groups to request funds from us? [Celeste to look into whether SWE National's website links to our section's website.](#)
 - Would we give preference Corvallis-area requests since most of our donors are in the area?

Governance

- Need to document requirements for officer and chair positions. Some documents for Career Guidance already stored on our SWE Community.
- The EC needs a governance document that deals with some of the decisions we have made. Topics to include: memorial scholarship guidelines, community donations – priority list, and scholarship endowment.
- Other procedures should be documented also, such as who checks the mailbox and what to do with bank statements.
- Each year the EC can vote to keep procedures or change them.
- VP Career Guidance: in charge of the email list for contacting schools for Essay Contest, Scholarships, and COM.
- VP Professional Development: in charge of making sure the section emailing lists managed by the membership chair are correct.
- EC review bank statements at meetings.
- [Lorraine to put together a document and send out for EC to review before next EC meeting.](#)

FY10 Officers and Committee Chairs

Executive Council

- Hold officer transition meeting with June EC meeting because Clara will not be available after mid-June.
- Invite FY10 OSU Section President and Nancy (FY10 OSU Counselor) to attend.
- General transition and FY10 goal-setting meeting will be brunch in July or August.
- Clara and Laura to work on transitioning the Treasurer position on own also, will work on FY09 taxes together.

Committee chairs

- Many committee chair positions filled, just a few with no one or not a strong interest from current chair to continue.
- Top priority: HP liaison, Girl Scouts
- Nice to have: Essay contest, Pre-college outreach
 - Pre-college outreach could be more active (e.g., visit area schools) if we had the right chair.

Visit our website at <http://wvs-swe.engineeredu.com/>

Celeste knows a Eugene high school teacher that is a trained engineer that would be a good chair.

[Celeste to contact her](#), [Lorraine to provide Celeste with chair details](#).

- Low priority: Publicity
- Looking ahead to FY11: Celeste moving out of WVS area and will not be our webmaster. She is willing to continue hosting our domain and will transition responsibility for our website to the next webmaster.

Action Items Review

Round Table

Melissa

- Will have Meet in Greet in May.
- Will not be in town in June to host. [Melissa to ask Amy W. if she could host](#).

Next Meeting:

Wednesday, June 3rd, 2009. Block 15 in Corvallis

June 3, 2009

Scribe: Abbie Kimerling

Attendees: Lorraine Wang, Melissa Martinez, Nancy Beaudry, Jenelle Parson, Becky Clark, Abbie Kimerling, Laura Kramer, Debora Thomas, Clara Swearingin

FY10 Officers and Committee Chairs

- Have a good number of positions filled. Still need to fill Essay Contest position. Other positions that are open that we have decided are not as important to fill: Pre-college Outreach, Publicity, and Fund Development.
- Introductions for those present. Jenelle Parson, the OSU SWE FY10 president, was in attendance.

OSU Section Overview from Jenelle

- Two Girl Scout events a year, select activities to earn badges.
- Just signed up for Adopt A Road program. Have a 2 mile stretch, plan to clean one a term. Will get sign once have cleaned two times.
- LEGO outreach.
- Celebration for Wanda Munn (OSU section founding member) planned for October 12, working with Nuclear Engineering at OSU.
- Engineering Ball is their main fundraiser. In order to have funds to work with during the year, they need more people, especially professionals, attend.
 - Need more advance warning to advertise to SWE membership: email flyer and newsletter announcement at least one month in advance suggested. Our members can forward email or post flyers at place of employment.
 - Advertising possibilities outside SWE: Gazette-Times, OSU Alumni Newsletters (both engineering and whole campus), High Tech After Hours.
 - Scheduling and expense conflict with having it so close to our banquet?
- Jenelle to attend SWE Future Leaders program. National SWE covers most of the cost, OSU section will cover the rest.
- Program with SHPE and NSBE to mentor incoming freshmen.

WVS-OSU Section Collaboration

- OSU section to contact WVS when in need of volunteers for outreach activities or other events.

- WVS able to help with planning for SWE part of Wanda Munn celebration, especially since close to beginning of school year. We could help with advertising to professional members that may have been OSU section members? Does National SWE have this information and would they share it?
- Future joint program idea: National Girls Collaborative Project. Diana Laboy-Rush willing to come speak with us about this outreach opportunity. She would probably prefer sometime in the summer? If held in fall, OSU section more likely to attend.
- OSU section needs to submit bylaws by June 30th. [Lorraine to help look up template and answer any questions Jenelle has](#).
- OSU section to send WVS simple proposals when need funds for events.
- Will Jenelle and others from section attend ABJ conference in August? Possibility for travel with Becky and Roberta?

Region J Review

- Region senators elected.
- Still no word on WVS bylaws approval.
- Region J Conference in April: SWE National president Virginia Connolly spoke on national public policy and section financial issues.

Bank Accounts

- Clara no longer continuing as treasurer, can be removed from Umpqua Bank accounts. Laura already listed on accounts.
 - Melissa Martinez made a motion to remove Clara Swearingin from the Umpqua Bank accounts. Lorraine Wang seconded the motion. All present voted to approve, none opposed, none abstained.
- Would like to have third person on accounts, selected Abbie.
 - Clara Swearingin made a motion to add Abbie Kimerling to the Umpqua Bank accounts. Melissa Martinez seconded the motion. All present voted to approve, none opposed, none abstained.

- Abbie to put minutes into letterhead format so names can be changed on Umpqua Bank accounts.
- Laura to look into transferring the funds in the savings account to a CD to get better interest rate. Will look into rates and get EC approval via email before purchasing.

- Regular monthly meetings resume in September. FY10 EC agreed that earlier starting time more convenient, meetings will be 5-7pm. So far Tuesdays, Wednesdays, and Thursdays are good days to meet.

Next Meeting:

Transition brunch in July or August. Lorraine to request dates from EC and committee chairs. Location either Lorraine's house or Abbie's house.

Action Items Review

EC meeting planning

- No regular monthly meetings for July and August, will have transition brunch instead.