



Society of **W**omen **E**ngineers
Sacramento Valley Section



Valley Views

A Bi-Monthly Publication for the
SWE Sacramento Valley Section

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September - October 2009

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SVS SWE CALENDAR OF EVENTS

September

5 CarolAnn Garratt Speaks About Her Flight Around the World in a Mooney
Corning Airport, Chico

11 2nd Friday Luncheon
Thai Nakorn
Davis

October

9 Member Bring A Member Luncheon
Downtown Sacramento

10 Expanding Your Horizons
Sacramento State

15 - 17 National Conference
Long Beach

18 Strides Against Breast Cancer Walk
West Steps, State Capitol Building

24 Fall Party & Corn Maze Trip
Davis and Woodland

PRESIDENT'S COLUMN

Dear SWE Members,

It's going to be a great year. A new reign of leadership has stepped into this section; a new President, Vice President, Scholarship Committee Chair, and Newsletter Editor. Congratulations to the new and current officers on coming together to volunteer their time and effort to make this year a successful one. We will be organizing lots of fun events and activities this year. We will continue to need the support of our section members, friends, family and co-workers to make it all happen.

I'm asking for each section member to have one goal this year to help us make it all happen. This goal is small in nature but big in results. I want each section member to take a little time out of their busy schedule to commit to one event or activity this year; just one. This commitment could be in the form of attending one 2nd Friday lunch to helping us solicit funds for the Scholarship Fundraiser. No little deed will go unnoticed.

What we have in store for this year is integrating social fun events with some SWE business events. Let's have fun and meet new friends while furthering SWE's goals "Aspire, Advance, Achieve". Andrea Bergamini will be hosting a Fall Party this year to kick-off the social events. Other upcoming events include the annual Expanding Your Horizons at Sacramento State, the SWE National Conference, the annual Making Strides Against Breast Cancer Walk with the Sierra Foothills Section, and we have moved up the Member Bring a Member Luncheon to the October Second Friday Lunch.

Please check out the Annual Calendar of Events at the end of the newsletter to see what's new and upcoming. Please notice that some annual social events have not been incorporated into the calendar. We are waiting for you to give us ideas to make our events fun.

Sincerely,

Sue

REGIONAL SWE NEWS

WE09 National Conference

The WE09 National Conference is October 15 – 17 in Long Beach, California. It is a great opportunity to network with women engineers nation-wide, attend career building workshops, and take advantage of fun tours and social events. View <http://we09.swe.org> to register or learn more.

For National SWE Information, check out www.swe.org.



San Joaquin Valley Section

The San Joaquin Valley Professional Section is reforming! If you live near Stockton, Fresno, or Merced, you can view their latest events at: <http://swe-goldenwest.org/sjvs/>

SJVS invited Sacramento Valley members on August 8 for a wine-tasting tour in Acampo. Attendees enjoyed a scrumptious lunch, sipped wine, and viewed the expansive winery property including a wastewater treatment plant.

Region A

Mark Your Calendars! The Region A Conference will be held February 26 – 28 at the University of the Pacific campus in Stockton. It will be hosted by the San Joaquin Valley Professional Section and UOP collegiate section.

Visit the SWE Region A website for the latest regional news and events: <http://swe-goldenwest.org>.

UPCOMING EVENTS

From Science to Business: How to Prepare Female Scientists and Engineers to Successfully Transition into Entrepreneurship

August 31 – September 1

This workshop is sponsored by the Committee on Women in Science, Engineering, and Medicine of The National Academies.

It will examine career transitions from science and engineering to entrepreneurship in the lives of women professionals and identify specific skill sets necessary for women to become successful in the business world. This workshop will also specifically focus on identifying knowledge gaps in women's skills and experiences crucial to the future success in business and critical for achieving leadership positions in entrepreneurial positions.

<http://sites.nationalacademies.org/PGA/cwsem/>

September

CarolAnn Garratt speaks about her Flight Around The World in A Mooney

WHEN: Saturday, September 5
WHERE: Corning Airport
Chico
TIME: 12 PM – 1 PM

Come hear Carol speak about her world-record flight around the world in a Mooney to raise money for ALS (Lou Gehrig's disease). You will also be able to view her Mooney which she flew around the world twice. Lunch will also be served. To learn more about the flight and her story, you can view <http://www.alsworldflight.com/>

2nd Friday Luncheon

WHEN: Friday, September 11
WHERE: Thai Nakorn
424 G Street, Davis
www.thainakorndavis.com
TIME: 12 PM – 1 PM
RSVP: Andrea Bergamini at
andrea.g.bergamini@gmail.com

Join us for a relaxing lunch outside on the patio. A RSVP is requested to allow the restaurant to best accommodate us.

October

Member Bring A Member Luncheon

WHEN: Friday, October 9
WHERE: Downtown Sacramento
TIME: 12 PM – 1 PM
RSVP: Miranda Olds at
miranda_olds@campbellsoup.com

Members are invited to bring guests who are eligible for membership. Potential members are treated to a free lunch! Members who bring potential members also enjoy a free lunch!

Expanding Your Horizons

WHEN: Saturday, October 10
WHERE: Sacramento State
TIME: All Day
RSVP: Sue Xiong at xiongsu@sacsewer.com

Volunteer at this one-day science and math conference for 6th-8th grade girls! This is an exciting event; read more at: <http://www.cce.csus.edu/conferences/eyh/eyh09/index.htm>

Making Strides Against Breast Cancer

WHEN: Sunday, October 18
WHERE: West Capitol Steps, Downtown
TIME: All Day
CONTACT: Wendy Cohen at wcohen@dcn.org

Join or donate to our joint SWE team with Sac State and Sierra Foothills. Our team will raise money to fight breast cancer. To make a donation and/or sign-up to walk visit: http://main.acsevents.org/site/TR/MakingStridesAgainstBreastCancer/MSABCFY10California/1193530097?pg=team&fr_id=19782&team_id=534268

Fall Party & Corn Maze Race

WHEN: Saturday, October 24
WHERE: Davis and Woodland
TIME: 11:00 AM – 2:30 PM
RSVP: Andrea Bergamini at
andrea.g.bergamini@gmail.com

Join us for a fall party and trivia contest. Lunch will be provided. Then, challenge yourself by navigating through the World Record Corn Maze in Woodland!

http://www.coolpatchpumpkins.com/corn_maze.html

ARTICLES AND ANNOUNCEMENTS

SVS Planning Meeting

The planning meeting took place on Thursday, July 23rd at Brew It Up in downtown Sacramento. We discussed the Annual Calendar of Events, the scholarship committee, and the numerous networking applications that are currently available on the web.

Events that have grounded the section will continue to have our support. These events include Expanding Your Horizons, Young Engineers Session with the Girl Scouts, and the Scholarship Awards and Fundraiser in the spring. Social events such as the 2nd Friday Lunches will continue as they get rotated throughout the region between Rancho Cordova, Downtown Sacramento, and Davis. We removed Elk Grove from the rotation because of the lack in interest in that area. If you would like Elk Grove to continue to be part of the 2nd Friday Lunch rotation, please contact Sue Xiong at xiongsu@sacsewer.com and we can make the accommodation. New social events will come up with the help of members organizing some fun social time like the Fall Party.

A local high school graduate asked the scholarship committee if she was eligible to apply for our section's scholarship. We have other sister SWE sections that have focused their scholarship funds towards high school graduates. Our section focuses our scholarship funds for current engineering college students and redirected the high school graduate to their websites.

Stay Connected!

SWE Sacramento Valley Section has a Facebook group account. If you have a facebook account, we encourage you to join our group so that you can be in touch with the latest updates and news feeds about the section. To join, click on "Groups" in the bottom menu bar. Search for "SWE Sacramento Valley". The SVS logo will come up. Click on the "Request to Join" link.

For the latest event information, visit our section website: <http://swe-goldenwest.org/svs/>

CALL FOR VOLUNTEERS!



Be Inspired!

Volunteers are crucial to the success of our sections' events. If you have enjoyed our yearly scholarship fundraiser, please consider donating your time by reviewing scholarship applications or helping coordinate the event.

Scholarships & Fundraising

The following committee positions are a great way to get involved. To learn more or volunteer for a position, please contact Sue Xiong at xiongsu@sacsewer.com.

Scholarship Fundraiser Chair

The scholarship fundraiser chair is responsible for organizing the scholarship fundraising event in May or June. With the help of their committee, they will obtain silent auction items, raffle items, and coordinate the efforts for making the fundraising event a successful one.

Scholarship Fundraising Committee Member

Help make our annual fundraiser a success! There are many ways you can help, big and small. Selling raffle tickets, advertising our event, requesting donations, selecting a venue, or offering ideas are all valuable ways you can help raise money for our scholarship fund.

Scholarship Selection Committee Member

This is a great opportunity to learn more about the outstanding women who receive our scholarship funds. Committee member review applications and select the recipients of our scholarship.

Call for Articles!

We need more contributors to the newsletter! Please help out our new newsletter editor with any articles or other items of interest. If you like to contribute an article, contact Andrea Bergamini at andrea.g.bergamini@gmail.com.

Article submission deadline for the November/December publication

October 26, 2009

2009-2010
OFFICERS ROSTER

President	Sue Xiong (916) 876-6383 xiongsu@sacsewer.com
Vice President	Miranda Olds miranda_olds@campbellsoup.com
Treasurer	Liz Raley (916) 638-3058 elizabethgraley@att.net
Section Rep	Paula McDonald (530) 304-5273 mcdonald@aerojet.com
CSUS Counselor	Mary Serra (916) 464-4732 mserra@waterboards.ca.gov
UCD Counselor	Linda N. Finley (916) 557-7411 Linda.N.finley@usace.army.mil
Scholarship Fundraising Chair	OPEN Contact Sue Xiong
Scholarship Committee Chair	Amy Terrel aterrell@waterboards.ca.gov
Speaker's Bureau	Maria Pang (916) 651-9665 mwpang@yahoo.com
Membership Chair	Wendy Cohen (916) 464-5817 wcohen@dcn.org
Newsletter Editor	Andrea Bergamini andrea.g.bergamini@gmail.com
Web Masters	Andrea Bergamini & Ben Maher swesvs@gmail.com
Y.E.S. Chair	Heather Sheridan (209) 986-5656 sheridanhm@bv.com

ENGINEERING SOLUTIONS FOR THE SACRAMENTO VALLEY

by Andrea Bergamini

The economy, pollution, climate change, politics, laws, poverty, crime, diminishing resources and discrimination are all types of challenges we as engineers face in our work and personal lives. As the new newsletter editor, I wanted to provide SVS members with a place to share their challenges, their proposed solutions, ask for advice, or submit engineering problems for others to solve. SVS members have a wide range of experience, skills, and ideas. This column was inspired in part by the National Academy of Engineering's "Grand Challenges for Engineers", a list of the world's major unsolved engineering challenges. Find out more by visiting <http://www.engineeringchallenges.org>

I have created a web form on the SVS website for members to make submissions anonymously. The form is available at: <http://swe-goldenwest.org/svs/es4sv.html> Below are this issue's submissions. I will also regularly post responses on our website.

Furloughs and Pay Cuts

Many of our members are state employees who are required to take three Fridays a month off with no pay. Several companies have made pay-cuts or layoffs. The UC and CSU systems are making cuts by letting go of lecturers and staff and through the implementation of furloughs. With so many of us affected, does any one have ideas for causes or outreach activities we can initiate as a section? Do you have any personal stories about how you have been affected by furloughs and pay cuts?

Just for Fun: A Design Challenge

You are provided four wooden popsicle sticks, a bottle of glue, a roll of toilet paper, and an 8.5 by 11 inch piece of cardboard. How would you design:

- the longest bridge?
- the safest bridge?
- the most asthetically pleasing bridge?

How would your approaches to each of these bridge types differ and why?

Assume you must design the bridge so that a small toy car could cross without causing the bridge to collapse.

Annual Calendar Events

Fiscal Year 2009 – 2010

Date	Event	Location/Time	Coordinator
July 10, 2009	2 nd Friday Lunch	Mint's Euro Asian Cuisine 11088 Olson Drive Rancho Cordova	Wendy Cohen wcohen@dcn.org
July 23, 2009	SWE Planning Meeting	Brew It Up 801 14 th Street Sacramento	Sue Xiong xiongsu@sacsewer.com
August 14, 2009	2 nd Friday Lunch	Strings Restaurant 5109 Laguna Blvd # 6 Elk Grove, CA 95758	Carmen Lee leeca@sacsewer.com
September 5, 2009	CarolAnn Garratt Trip Around The World In a Mooney for Lou Gehrig's Disease	Corning Airport, Chico	http://www.alsworldflight.com/
September 11, 2009	2 nd Friday Lunch	Thai Nakorn 424 G Street Davis	Andrea Bergamini andrea.g.bergamini@gmail.com
September or October 2009	Meeting with CSUS Students	TBD	Mary Serra mserra@waterboards.ca.gov
October 10, 2009	Expanding Your Horizons (EYH)	CSUS	Sue Xiong xiongsu@sacsewer.com
October 15 – 17, 2009	National Conference	Long Beach, CA	Please visit the website http://www.swe.org
October 18, 2009	Making Strides Against Breast Cancer Walk	West Steps, State Capitol Building	Wendy Cohen wcohen@dcn.org
October 23, 2009	Halloween Party	Davis	Andrea Bergamini andrea.g.bergamini@gmail.com

November 13, 2009	2 nd Friday Lunch	Straw Hat Pizza 2929 Mather Field Rd Rancho Cordova	Amy Terrell aterrell@waterboards.ca.gov
November 2009	Meeting with UCD Students	TBD	Linda Finley Linda.N.Finley@spk01.usace.army.mil
November 2009	Young Engineers Session (Y.E.S.) Kick-Off Meeting	TBD	TBD
November 2009	Scholarship Fundraiser Kick-Off Meeting	TBD	TBD
December 2009	Holiday Meeting	TBD	TBD
December 11, 2009	2 nd Friday Lunch	Davis	TBD
January 8, 2010	2 nd Friday Lunch	Downtown	TBD
January 2010	Scholarship Fundraiser Planning Meeting	TBD	TBD
January 2010	Joint Meeting w/Sierra Foothills Section	TBA	TBA
February 12, 2010	2 nd Friday Lunch	Rancho Cordova	TBD
February 2010	Engineers Week	Sunrise Mall	VOLUNTEERS NEEDED!!!!
February 2010	Y.E.S. Planning Meeting	TBD	TBA
February – March 2010	Region A Conference	UOP Stockton, CA	Please visit http://swe-goldenwest.org/
March 12, 2010	2 nd Friday Lunch	Davis	TBD
March 2010	Y.E.S. with the Girl Scouts	TBD	TBA
March 2010	Scholarship Fundraiser Planning Meeting	TBD	TBD
April 9, 2010	2 nd Friday Lunch	Downtown	TBD
April 17, 2010	2010 Scholarship Application DUE	SWE SVS Scholarship	Amy Terrell

		P.O. Box 924 Rancho Cordova, CA 95741	aterrell@waterboards.ca.gov
May 14, 2010	2 nd Friday Lunch	Rancho Cordova	TBD
May 2010	Region A Awards Banquet	TBA	TBA
May 2010	Scholarship Fundraiser Planning Meeting	TBD	TBD
May – June 2010	Scholarship Fundraiser	TBD	TBD
June 11, 2010	2 nd Friday Lunch	Davis	TBD
July 9, 2010	2 nd Friday Lunch	Downtown	TBD

Note: TBA/TBD – To be Announced / To be Determined

Society of Women Engineers

If you are interested in making a contribution to SWE SVS, please contact Sue Xiong at 876-6383.

B R O W N A N D C A L D W E L L

Engineers	Geologists	Scientists
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Water	Wastewater	Stormwater
Solid and Hazardous Waste		Air Quality
Construction Management		Energy
Competitive Utility Performance		G.I.S.

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ADDRESS CORRECTION REQUESTED