



**S**ociety of **W**omen **E**ngineers  
Sacramento Valley Section



Valley Views  
Valley Views  
Valley Views  
Valley Views

Volume 7, Issue 8

March / April 2007

<b>INSIDE THIS ISSUE</b>	
<b>1</b>	<b>SVS SWE Calendar of Events</b>
<b>2</b>	<b>President's Column</b>
<b>2</b>	<b>Regional SWE News</b>
<b>2</b>	<b>Upcoming Events</b>
<b>3</b>	<b>Officer Roster</b>
<b>4</b>	<b>Articles</b>
<b>6</b>	<b>Annual Calendar</b>
<b>7</b>	<b>Member Bring a Member Luncheon Flyer</b>
<b>9</b>	<b>Dinner Buffet &amp; Wine Tasting Reception Flyer</b>

*SVS SWE  
CALENDAR OF EVENTS*

**April**

3-6 Girl Scouts of Tierra del Oro Science Camp

13 Lunch Meeting  
GPS: Changing the Way We Live  
At River City Brewery in Downtown Sacramento

13 Scholarship Applications Due

25 West Campus High School 4th Annual Career Day

**May**

10 Member Bring a Member Luncheon  
At Rio City Café in Old Sacramento

18 Scholarship Recipients Notified

21-31 Engineering & Technology Career Adventure at Sam Brannan Middle School

**June**

7 Dinner Buffet & Wine Tasting Reception  
At Julia Morgan House & Gardens

---

---

## PRESIDENT'S COLUMN

Greetings Section Members!

It has been a very busy year so far. Thanks to the Sierra Foothills Section for a very interesting speaker in January. Many of us were busy during Engineers Week reaching out to educators. Thanks to all of you who participated! We have a busy (and really fun) spring ahead of us and I'm counting on all of you to participate. We will be working with middle school students (YES and SCUSD), learning about GPS and networking, networking, networking. Check out the calendar and get to an event!

Sue Xiong, our newsletter editor, and Heather Sheridan, in charge of our website, are working hard on a new newsletter format. We are going to go to an e-newsletter. The e-newsletter will be brief so that readers can quickly find out what's happening with the Section. More information will be available on our website and the e-newsletter will provide links to get you there effortlessly. We hope you like the new format. Suggestions welcome!

Liz



## REGIONAL SWE NEWS

Looking for additional SWE information???



Check out the SWE Region A website, located at <http://swe-goldenwest.org>. If you're looking for regional information and events, this is the place to go.

For National SWE Information, check out [www.swe.org](http://www.swe.org).

SWE encourages professional development. For more information visit the Professional Development link at [www.swe.org](http://www.swe.org).

## UPCOMING EVENTS

### April

#### **Girl Scouts of Tierra del Oro Science Camp**

WHEN: April 3-6  
WHERE: Stockton  
RSVP: Julie Young  
(209) 473-5913  
[julie\\_young@tdogs.com](mailto:julie_young@tdogs.com)

#### **Lunch Meeting**

TOPIC: Global Positioning Satellite (GPS):  
Changing the Way We Live  
PRESENTER: Ms. Nancy Wheeler-Nelson  
GM, Engineering & Construction Division,  
Trimble  
WHEN: Friday, April 13th  
WHERE: River City Brewery  
545 Downtown Plaza, Suite 1115  
Sacramento  
TIME: 11:30 AM  
RSVP: Mary Frederick  
(916) 654-5470  
[mary.frederick@dot.ca.gov](mailto:mary.frederick@dot.ca.gov)

### May

#### **Member Bring a Member Luncheon**

WHEN: Thursday, May 10th  
WHERE: Rio City Café  
1110 Front Street  
Old Sacramento, CA 95814  
TIME: 11:30 AM – 1:30 PM  
RSVP: Himali Rodrigo  
(916) 853-5340  
[hrodrigo@brwncauld.com](mailto:hrodrigo@brwncauld.com)

See attached flyer. RSVP due by May 4th at 12 PM.

---

---

## Engineering & Technology Career Adventure

WHEN: Monday, May 21 to Thursday, May 31  
WHERE: Sam Brannan Middle School  
5301 Elmer Way  
Sacramento, CA 95822  
TIME: 9:30 AM to 3:30 PM  
RSVP to: Liz Raley  
(916) 638-3058  
[borden@lanset.com](mailto:borden@lanset.com)

## June

### Dinner Buffet & Wine Tasting Reception

WHEN: Thursday, June 7th  
WHERE: Julia Morgan House and Garden  
3731 T Street  
Sacramento  
TIME: 6:00 PM – 8:00 PM  
TICKETS: \$35 per person  
RSVP: Liz Raley  
(916) 638-3058  
[borden@lanset.com](mailto:borden@lanset.com)

See attached flyer. Pre-event tour starts at 5:30 PM.

## OFFICER'S ROSTER

**President** *Elizabeth Gillis-Raley*  
(916) 638-3058 (home)  
[borden@lanset.com](mailto:borden@lanset.com)

**Vice President** *Himali Rodrigo*  
(916) 853-5340 (work)  
[hrodrigo@brwncald.com](mailto:hrodrigo@brwncald.com)

**Treasurer** *Jennifer Johnston*  
(916) 288-4312 (work)  
[jennifer.johnston@swe.org](mailto:jennifer.johnston@swe.org)

**Section Rep** *Mary Frederick*  
(916) 654-5470 (work)  
[mary.frederick@dot.ca.gov](mailto:mary.frederick@dot.ca.gov)

**CSUS Counselor** *Mary Serra*  
(916) 464-4682  
[mserra@waterboards.ca.gov](mailto:mserra@waterboards.ca.gov)

**UCD Counselor** *Linda N. Finley*  
(916) 557-7411 (work)  
[Linda.N.finley@usace.army.mil](mailto:Linda.N.finley@usace.army.mil)

**UOP Counselor** *Louise Stark*  
[lstark@uop.edu](mailto:lstark@uop.edu)

**Scholarship Fundraising Chair** *Open*

**Scholarship Committee Co-Chair** *Dianna Jensen*  
[jensen@ford-consulting.com](mailto:jensen@ford-consulting.com)

**Membership** *Wendy Cohen*  
(916) 464-5817 (work)  
[wcohen@dcn.org](mailto:wcohen@dcn.org)

**Newsletter** *Sue Xiong*  
(916) 875-9429 (work)  
[xiongsu@saccounty.net](mailto:xiongsu@saccounty.net)

**Web Mistress** *Heather Sheridan*  
(916) 364-2962  
[sheridanhm@bv.com](mailto:sheridanhm@bv.com)

**Speaker's Bureau** *Open*

---

## ARTICLES

### June 7th Dinner Buffet and Wine Tasting Reception

By: Liz Raley

Get ready for some fun for a great cause at the Dinner Buffet and Wine Tasting Reception for our Scholarship Fund, scheduled for Thursday, June 7, 2007 at the beautiful Julia Morgan House. This late afternoon event will include wine tasting, buffet dinner, raffle, a silent auction, a visit with our winemaker Michael Ross, as well as a tour of the house. We'll also present the Section's scholarship awards for the next school year. Last year, the weather was gorgeous and everyone had a great time. More information on the event can be found at our website: <http://swe-goldenwest.org/svs/swe-sacv.htm>

The success of this event is dependent upon participation from our members. There are many ways to support this event including donating a raffle item or soliciting one, helping out during the event, or chairing a committee (Raffle, Silent Auction, Corporate Donor, Scholarship). We have divided up the responsibilities so that no job should require more than 8 hours of support. If you can help, please contact Liz at [borden@lanset.com](mailto:borden@lanset.com).

I hope each one of you will attend the event, bring at least one friend, and/or sell hundreds of raffle tickets! Tickets will be available at our Member Bring a Member Luncheon. This event will be a lot of fun and will benefit many students in the future. Join us in supporting the future of engineering in Sacramento!

### Engineering and Technology Career Adventure

By: Liz Raley

You can make a difference, if you volunteer to help! All the lesson plans and materials have been prepared and the lead presenters have been trained. All you need to do is assist and add your personal touch!

Geometry students at Sam Brannan Middle School will be participating in a project that teaches students about engineering and demonstrates real life uses for mathematics. "The Dream Teen Center Development Project" is a series of 8 class periods with hands-on exercises that will be tested from May 21 - May 31 from 9:30 AM – 10:30 AM each day. We are looking for interested volunteers and mentors to help with the delivery of this great program. You don't have to come every day, just once or twice, and we can give you the lesson plan

ahead of time so that you can see what the students will be doing.

All disciplines are welcome!

If you want to get involved in this adventure or to get more information, please contact Liz Raley at [borden@lanset.com](mailto:borden@lanset.com).

### St. Francis High School Robotics Team Advances to Quarter Finals in Silicon Valley

By: Liz Raley

The St. Francis High School robotics team, the Fembots had a very successful competition in Robotics FIRST Regional Competition in Silicon Valley. This year's robot, "Charlie," operated with 100% success – no breakdowns – and earned a spot in the quarter finals through the teamwork, strategy, and skill. Pictures and video are available at the team website, [www.sfrobotics.com](http://www.sfrobotics.com)



The Fembots look forward to the Davis Regional Event where they hope to lead the competition and play in the finals. Join them at UC Davis to cheer on "Charlie" and the Fembot angels on Friday, March 30th, 9:30 AM – 4:00 PM and Saturday, March 31st from 9:30 AM – 3:00 PM. Look for the red St. Francis cheering section and enjoy an incredible day of "Rack n Roll!"

### Calling all Public Servants

By: Liz Raley

It's time to think about officers and committee chairs for next year and as Maya Angelou says "public service enriches us all". Not only is volunteering a great way to hone your leadership skills and network, it's a very rewarding experience. I will be stepping down as president but will remain active in an as yet undetermined capacity. We have a great organization, a great section, and a great community. Please think about volunteering for one of our open positions. We will need both a president and a COR to remain an active Section. Please contact me at [borden@lanset.com](mailto:borden@lanset.com) if you are interested in serving in any capacity. We can tailor the job to fit your interests and your schedule.

---

## Scholarship announcement

By Dianna Jensen

Each year the Sacramento Valley Section of the Society of Women Engineers awards scholarships to deserving female students pursuing a degree in engineering. SWE is a nonprofit, educational organization dedicated to supporting and encouraging women to pursue and achieve their full potential in careers as engineers and leaders. To this end, the local SWE Section provides community outreach programs for elementary, middle, high school and college students, professional development workshops for professionals and students, networking opportunities and mentoring programs.

Last year, the Sacramento Valley Section held its annual Wine Tasting Fundraiser for the **Scholarship Fund** at the Julia Morgan House & Gardens. At that time, the Section awarded a total of \$3,000 to five recipients, represented by California State University Sacramento, University of the Pacific, and University of California Davis.

This year the scholarship application process is under way with a new deadline of April 13<sup>th</sup> and recipients being notified by May 18<sup>th</sup>. Awards will again be given at annual fundraiser to be held on June 7<sup>th</sup> at the Julia Morgan House & Gardens. The application can be found on our web site at <http://swe-goldenwest.org/svs/swe-sacv.htm>. Please contact Dianna Jensen at [jensen@ford-consulting.com](mailto:jensen@ford-consulting.com) if you have any questions.

## Seeking Electrical Engineers!

Rauschenbach Marvelli Becker, Architects and Engineers (RMB) is seeking an experienced designer/drafter for a full-time position (part-time available) in its growing electrical engineering department. Duties include: producing electrical construction documents from engineer's notes and direction, developing standard construction detail library, and other duties as required. This position will be part of the development of CAD standards and procedures. Experience with creating CAD menus and scripting a plus or must be willing to learn. The successful candidate must have a basic knowledge of Word and Excel. This position requires use of AutoCAD as well as a variety of supporting software. The ideal candidate will be a motivated self-starter, proficient with AutoCAD 2005 or higher, be a strong written and verbal communicator, and possess excellent organizational skills.

RMB is also looking for some electrical engineering interns.

RMB is a leading Sacramento, California Architectural/Engineering firm specializing in national and

regional retail, restaurant, and medical facility projects and providing excellent service to a variety of corporate clients. We have a fast paced, results driven environment. Small teams of individuals working together not only take projects from start to finish, but provide valuable experience to team members as well. We are a company dedicated to growth; growth in earnings, growth of project variety and the personal and professional growth of our employees.

Please contact [jobs@rmbarchitects.com](mailto:jobs@rmbarchitects.com).

## Speakers Needed for 4<sup>th</sup> Annual West Campus Career Day

West Campus High School is a small, comprehensive school located in Sacramento. The student population of 816 students reflects the diverse population of the Sacramento City Unified School District (31% Asian, 27% Hispanic, 31% White, 8% African American, and 19% other). High expectations are maintained by providing all students with a structured program focusing on science and leadership and a requirement that all students meet the University of California (A-G) requirements. West Campus has earned a reputation as an academically successful high school.

West Campus needs four engineers, two for the morning and two for the afternoon on April 25th. You can contact them at 916-277-6400, Ext. 1156, or via e-mail at [wc\\_careerday@yahoo.com](mailto:wc_careerday@yahoo.com).

The West Campus High School is located at 5022 58<sup>TH</sup> Street in Sacramento.

## Annual Calendar Sacramento Valley Section SWE, 2006-2007 Meetings

Month	Section Event	Responsible Party	2nd Friday Monthly Lunch	Business Meeting (RP)	Regional National Events
July	7/16, Planning Meeting	Liz			
August			8/11 Downtown Noon-1:00		ABJ meeting August 11-13, Santa Clara
September	Tentative 9/19, Meeting w/CSUS 7:00 PM	Mary Serra	9/8 La Bou, RC Noon-1:00	9/14; 6:00 PM ENSR Financial Policy Jennifer	
October	10/7, EYH at UOP 10/22, Breast Cancer Walk	Liz Carmen	10/13 Davis		National Conference 10/11-14 Kansas City
November	Tentative Meeting with UCD Students	Linda F.	11/10 Downtown		
December	12/7, 6:30 PM Holiday Meeting Ettore's	Liz			
January	Joint Meeting 1/23/07 6:00 PM	SFS	1/12 La Bou, RC	TBA Scholarship Dianna	
February	Engineers Week Classroom Activity w/SCUSD 2/6 and 2/13 3:30-6:00 PM	Himali & Liz	2/9 Davis		
March	YES Program Saturday, 3/24	Jennifer Wendy	CANCELLED		Regional Conference March 3 San Jose State
April	Technical Topic: GPS 4/13 Lunch	Mary F.	CANCELLED		
May	5/10, Member Bring a Member Luncheon	Himali	CANCELLED		
June	Dinner Buffet & Wine Tasting Reception Thursday, 6/7 Julia Morgan House		CANCELLED	TBA Debrief Liz	

The 2nd Friday Monthly Lunch has been cancelled for the rest of the calendar year. Please contact Liz at [borden@lanset.com](mailto:borden@lanset.com) if you would like to coordinate any future lunches.

Presents  
**MEMBER BRING A MEMBER LUNCHEON**

The Sacramento Valley section of the Society of Women Engineers (SWE-SVS) is proud to sponsor this luncheon, which is held to recognize the hard work and dedication of our members and to share accomplishments with potential new members.

You and your guests will be treated to a delicious lunch, courtesy of the SWE-SVS. You are welcome to invite anyone you think might support the mission and goals of SWE.

**Date: Thursday, May 10, 2007**

**Location: Rio City Café  
1110 Front Street  
Old Sacramento, CA 95814**

**Time: 11:30-1:30 pm**



**Menu Choices:**

**PENNE PASTA WITH GRILLED CHICKEN**

Penne Pasta with grilled chicken, onions, bell peppers, and spinach tossed in a pesto white wine butter sauce

**TURKEY BLT SANDWICH**

Smoked Turkey served on sourdough with applewood bacon, tomatoes, lettuce and mayonnaise accompanied with pasta salad

**VEGETARIAN LASAGNA**

Vegetarian Lasagna with grilled vegetables, bechamel sauce and basil marinara

See attached for Directions.

Two-hour validated parking will be available at the Tower Bridge Garage (Front Street and Capitol Mall)

Please RSVP with your menu choice to Himali Rodrigo at [hrodrigo@brwncald.com](mailto:hrodrigo@brwncald.com) or (916) 853-5340 by May 4<sup>th</sup> at noon

## **Directions to Rio City Café (1110 Front Street) Tower Bridge Garage (135 Neasham Cir.)**

### **From the East:**

(50) Take highway 50 west to I-5 north, and exit J Street, Downtown.

Turn Right at 3rd Street

Bear Right onto SR-275 ramp to San Francisco

Bear Right at Capitol Mall

Turn Right at Front Street

(I-80) Take I-80 west, to I-5 north. Exit J Street, Downtown.

Turn Right at 3rd Street

Bear Right onto SR-275 ramp to San Francisco

Bear Right at Capitol Mall

Turn Right at Front Street

### **From the West:**

Take I-80 east to I-5 north. Exit J Street, Downtown.

Turn Right at 3rd Street

Bear Right onto SR-275 ramp to San Francisco

Bear Right at Capitol Mall

Turn Right at Front Street

### **From the South:**

(99) Take highway 99 north and follow the signs for I-5.

Take I-5 north and exit J Street, Downtown.

Turn Right at 3rd Street

Bear Right onto SR-275 ramp to San Francisco

Bear Right at Capitol Mall

Turn Right at Front Street

(I-5) Take I-5 north and exit J Street, Downtown.

Turn Right at 3rd Street

Bear Right onto SR-275 ramp to San Francisco

Bear Right at Capitol Mall

Turn Right at Front Street

### **From the North:**

Take I-5 south and exit J Street, Downtown.

Turn Right at 3rd Street

Bear Right onto SR-275 ramp to San Francisco

Bear Right at Capitol Mall

Turn Right at Front Street



*Join us in helping aspiring engineers reach their goals at the*

# Dinner Buffet and Wine Tasting Reception

for the

Society of Women Engineers, Sacramento Valley Section's

## **Scholarship Fund**

to be held on

**Thursday, June 7, 2007**

at the

## **Julia Morgan House & Gardens**

3731 T Street, Sacramento

6:00 p.m. to 8:00 p.m.

The goal of the Dinner Buffet and Wine Tasting Reception is to generate funds for the local Section of the Society of Women Engineers' (SWE) Scholarship Fund. Each year our Section awards scholarships to deserving female students pursuing a degree in engineering. This year we will also recognize a female junior faculty member in engineering or computer science. A visit with our winemaker, raffle prizes and a Silent Auction will be featured. Meet our scholarship recipients and join us for this fun and worthwhile event.

SWE is a nonprofit, educational organization dedicated to supporting and encouraging women to pursue and achieve their full potential in careers as engineers and leaders. In addition, our Section provides community outreach programs for elementary, middle, high school and college students, professional development workshops for professionals and students, networking opportunities and mentoring programs.

**Ticket price of \$35 includes buffet dinner, wine tasting, and 2 raffle tickets. A special (pre-event) tour of the house has been arranged for attendees (5:30 PM -6:00 PM)**

**For more information and to purchase tickets contact Liz Raley,  
Sacramento Valley Section President at [borden@lanjet.com](mailto:borden@lanjet.com) or (916) 638-3058  
or visit our website at <http://swe-goldenwest.org/sv/swe-acv.htm>**

*The historically significant and beautiful Julia Morgan House was designed and built by the distinguished architect, Julia Morgan in the early 1920's. Julia Morgan was the first woman licensed to practice architecture by the State of California. A formidable pioneer of equal opportunities for women in the professions, Morgan had a distinguished career spanning 50 years in which she designed and built more than 700 buildings, most notably the William Randolph Hearst estate at San Simeon. The Julia Morgan House was the private residence of Charles Goethe who bequeathed his beautiful home to California State University, Sacramento. In spite of her large body of work, the Goethe residence is the only example of Morgan's residential architecture in the Sacramento region. The home was placed on The National Register of Historic Places in 1982.*

**Special Thanks to our patrons:  
CSUS Department of Engineering and Computer Science  
A Teem Electrical Engineering, Inc.**