

# Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

Volume 32 No. 4

## APRIL 2010 NEWSLETTER TOPICS

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## May Dinner Meeting

### Fiber Lasers and Their Applications

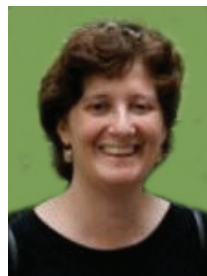
Dr. Laura Smoliar

#### Abstract

Fiber-based light sources are a relative newcomer to the laser world. Tremendous strides have been made by borrowing from advances in core technologies, such as semiconductor laser diodes and optical fiber, the developments of which were fueled by investments during the "Telecom Bubble". These new light sources are interesting for their unique performance capabilities, their higher efficiencies, and their potential for high reliability in the field. An overview of this new laser light technology will be presented along with details about capabilities and applications.

#### Biography

Laura Smoliar works with Peppertree Engineering, providing strategic and business development counsel for high-tech-



nology companies. She is also an Entrepreneur-in-Residence with Asita and she serves as an advisor to Signal Lake, a venture capital firm.

In 2005, Dr. Smoliar launched Mobius Photonics, a company that produces commercial fiber lasers. As

Chairman and CEO of Mobius Photonics, Dr. Smoliar built a corporate team, established key customer relationships in Europe and Asia, successfully raised angel and strategic financing from

*continued on next page*

## May Dinner Meeting

**Date:** Thursday, May 20, 2010

**Time:** 6:00 Social Hour  
7:00 Dinner  
8:00 Presentation

**Location:** Biltmore Hotel & Suites  
2151 Laurelwood Blvd.  
Santa Clara, CA 95054

**Speaker:** Dr. Laura Smoliar  
Fiber Lasers and Their Applications

**Cost:** \$27.00 with a choice of:  
Chicken Marsala  
Eggplant Parmesan

**Reservations:** [www.scvacs.org](http://www.scvacs.org) or  
Shirley Radding 408-246-2564  
408-296-8625 Fax

Reservations should be made by May 17th stating your name, address, company affiliation, number of people in party, and menu selection. If you are unable to honor your reservation and do not cancel by Tuesday, May 18th, you will be invoiced following the dinner meeting.

## Chair's Message

By the time you read this, several events will have come and gone:

- The National meeting in San Francisco
- Sciencepalooza
- The Santa Cruz County Science Fair
- The Synopsis Silicon Valley Science and Technology Championship

The Regional High School Olympiad will be held at Las Positas College in Livermore on Saturday, April 24; please contact Sally Peters (Sally.Peters@parc.com) if you can help.

If you would like to help the Tech Museum's Challenge on Saturday, April 24,



please contact Sherry Garcia (sgarcia@thetech.org).

Our dinner meeting on Thursday, April 15, will feature Steve Boyer, who will talk about recent developments in searching the scientific literature with computers.

Winter ended on Saturday, March 20, at 10:32 a.m., Pacific Daylight Time. Although we need the water, I'll be glad to welcome nicer weather so I can get some of my yard work done. Because of the rain, this should be a good year to drive through the hills and see the wild flowers. Take a picnic lunch and enjoy a relaxing day!

See you on Thursday, April 15th!

May Dinner Meeting, continued from front page

the U.S. and Japan and established a strong intellectual property position based on the company's unique breakthrough light technology. In July, 2009, she resigned from Mobius Photonics to pursue other interests.

Laura Smoliar's expertise covers diverse hardware-technology companies. Beginning her career in data storage at Seagate Technology, she later worked on

MEMS-based laser displays at Silicon Light Machines (acquired by Cypress Semiconductor) and then migrated to solid-state lasers at Lightwave Electronics (acquired by JDSU). She has extensive experience partnering with Japanese companies such as Sony, Hitachi, Disco, and Panasonic and she has lived and worked in both Taiwan and Germany.

Laura holds a Ph.D. from the

University of California at Berkeley, where she worked with Yuan T. Lee (1986 Nobel Laureate in Chemistry) and an A.B. Summa Cum Laude from Columbia University, both in Chemistry. She is a past member of the Council and Executive Board of the American Physical Society. Since 1997, she has served as a mentor with the Association of Women in Science, Palo Alto Chapter.

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**Reminder      April Dinner Meeting      Reminder**

## Using Computers to Read Scientific Literature

Dr. Steven Boyer

**Abstract:**

We successfully use text analysis technology to identify chemical names and other entities in unstructured text. Once identified, we convert the chemical names into their chemical structures using [name=structure] programs. This produces simplified molecular input line entry specification (SMILES) strings representing the chemical structures, which are subsequently used in computational calculations and as input for other applications. Using this technology, we analyze millions of patents and Medline abstracts and generate a large database of molecular structures derived from the text of those documents. In addition to extracting chemical structures from the text of documents, we also exploit image analysis to selectively recognize the chemical images contained in documents and convert these images to SMILES strings. This work (text and image analysis) effectively renders the scientific and patent literature searchable by structure/substructure search applications. The combined technologies for reading and processing molecular structures allow researchers the ability to build large databases of previously inaccessible literature – relevant in areas such as patents, pharmaceuticals, publishing, health care, and environmental science.

Integration of these and other operations has enabled us to process over 11 million documents to date with IBM's BlueGene supercomputer. We currently index over 100,000 documents per month including all of the US, EP and



WO documents on a weekly basis. Additionally, our computing environment is capable of indexing about a billion web pages in approximately 3 hours, retrieving and indexing biologically relevant information.

**Biography:**

Steven Boyer holds a Bachelor of Arts degree from Temple University in Philadelphia and a Ph.D. in synthetic organic chemistry from Tufts University in Massachusetts. He is married and has two children.

He has over 25 years of experience in numerous capacities in corporate settings, first in the pharmaceutical environment and then in the computer world. With a Ph.D. in chemistry, Steve has found himself in a full spectrum of work places, from synthesizing drugs "at the bench" to launching the world's first public patent website. At IBM's Research Division, Steve is credited with being the "father" of the IBM Patent Server. This effort (1994-2000) aggregated the entire intellectual property of the world into a single database made available on the internet, a revolutionary act in its time. It resulted in one of the largest and most successful public information internet sites at that time on the web, a pivotal event that impacted the world of intellectual property (IP). As a result, Steve served as an advisor to the World Intellectual Property Organization (WIPO) on the creation of WIPO-Net, an initiative to provide IP resources to third world countries, lecturing on technical issues and drafting proposals for improving international access to intellectual property. The IBM Patent

Server was so successful that IBM spun it off as an independent business venture, Delphion ([www.delphion.com](http://www.delphion.com)), later acquired by Thomson Publishers.

At IBM, Steve has worked in numerous capacities, technical and managerial, including four years in Europe directing scientific and technical computing initiatives. His own recent patents apply computer technology to developing tools for building scientific databases and include internet metacrawling and searching technologies. His most recent activity has been in "text and image analytics", specifically on the automated annotation of large document repositories.

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## April Dinner Meeting

**Date:** Thursday, April 15, 2010

**Time:** 6:00 Social Hour  
7:00 Dinner  
8:00 Presentation

**Location:** Biltmore Hotel & Suites  
2151 Laurelwood Blvd.  
Santa Clara, CA 95054

**Speaker:** Dr. Steven Boyer  
(co-inventor of the Delphion patent database)  
Computers in Chemistry

**Cost:** \$27.00 with a choice of:  
Teriyaki Steak  
Vegetarian Lasagne

**Reservations:** [www.scvacs.org](http://www.scvacs.org) or  
Shirley Radding 408-246-2564  
408-296-8625 Fax

Reservations should be made by April 12th stating your name, address, company affiliation, number of people in party, and menu selection. If you are unable to honor your reservation and do not cancel by Tuesday, April 13th, you will be invoiced following the dinner meeting.

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# DOE and NOBCChE Science Bowl at the National Hispanic University

March 6, 2010

By Howard Peters

The US Department of Energy (DOE, [www.energy.gov](http://www.energy.gov)), the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE, [www.nobccche.org](http://www.nobccche.org)) and many other volunteers joined together on Saturday, March 6 in a lively middle school Science Bowl competition at the National Hispanic University ([www.nhu.edu](http://www.nhu.edu)) on Story Road in San Jose. The morning session was devoted to multiple 20-minute placement sessions of 24 teams from middle schools around the San Francisco Bay Area.

After lunch, the field was narrowed to eight teams in elimination rounds which narrowed down to two excellent teams vying for first place. After an intense exchange and a surprising comeback, the Gale Ranch Middle School of

San Ramon was declared the regional winner. This winning team will continue to practice and travel to Washington, DC



Dr. Ron Lewis, the winning Gale Ranch Middle School team and Dr. Dave Johnson

as one of the teams representing the California Bay Area in the National Science Bowl from April 29 to May 4.

Dr. Ron Lewis of Pfizer in San Diego

and an At-Large member of the Board of Directors of NOBCChE noted that the number of teams competing had nearly doubled since last year. Ray Ng of Sandia National Labs in Livermore and Dave Johnson of the National Hispanic University are to be thanked and congratulated for their part in bringing this important event to our community.

Several members of the Santa Clara Valley Section volunteered as moderators, timekeepers, scientific experts, etc. Watch for next year's event and plan to volunteer for this fun event.



Local ACS Santa Clara Valley Volunteers

## Call for Nominations for the Radding Award

The Santa Clara Valley Section of the American Chemical Society (ACS) announces the call for nominations for the 2009 Shirley B. Radding Award.

First awarded in 1994 to its namesake, the Shirley B. Radding Award annually honors someone who has been a member of the ACS for at least 20 years and has demonstrated dedicated, unselfish leadership, service and significant contributions over a sustained period of time to industrial, applied or academic chemistry and to the ACS through elected or appointed positions at local, district and national levels.

### Award Criteria

- Member of the American Chemical Society for more than twenty (20) years.
- Demonstrated dedicated and unselfish service to ACS and its members over a sustained period of time.
- Provided leadership through elected and appointed ACS positions at local, district and national levels.
- Made significant contributions to industrial, applied or academic chemistry.

### Previous Award Recipients:

1994	Shirley B. Radding	2002	Paul H. L. Walter
1995	Agnes Ann Green (deceased)	2003	Jean'ne M. Shreeve
1996	John F. "Jack" Riley (deceased)	2004	Maureen G. Chan
1997	Howard M. Peters	2005	Glenn Fuller
1998	Alan C. Nixon (deceased)	2006	Janan M. Hayes
1999	Valerie J. Kuck	2007	Merle I. Eiss
2000	Halley A. Merrell	2008	Dorothy J. Phillips
2001	Norman A. LeBel (deceased)	2009	Bryan Balazs

The award consists of an honorarium of \$1,000 and a suitably inscribed memento. Nominations must consist of at least one letter of nomination stating how the nominee's work relates to all aspects of the award. It is strongly recommended that seconding letters accompany the nomination.

Nominations are due on or before Saturday, May 29, 2010 to be considered for the 2010 Award, and must be mailed (not e-mailed) to:

**Radding Award Committee**, Santa Clara Valley Section ACS  
Post Office Box 395  
Palo Alto, CA 94302-0395

## Welcome to the Santa Clara Valley Section of ACS

Each month the section receives a spreadsheet from national ACS with the names of members new to our section. The members are either new to ACS, have transferred in from other areas, or are the newest members -- the students.

To welcome you to the section and get to know you, the Executive Committee offers new members a free dinner!! To encourage you to attend a monthly section dinner meeting, we would like you to be our guest. When you register, make certain to mention that you are a new member and you and a spouse (or friend) will be our guests. The dinner meetings are often the 3rd Thursday of the month at a local spot, somewhat convenient to the entire section.

If you are unable to attend in the evening, perhaps you would join us for an outreach event, like judging a science fair, participating in the chemistry olympiad, or a national chemistry week event in October. Then, there is our annual wine tasting and awards picnic in July.

The local section is a volunteer organization. Please attend an event, volunteer to help, and get to know your local fellow chemists. Welcome!!

*New Members List on next page*



## New Members List for April

Amna N. Ahmad	Nicole L. Fry	Dr. Jonathan K. Lassila	Blaise Pinaud
Frank Akers	Dr. Ting Gao	Dr. Susan Troutman Lee	Monika Pradhan
Carolina Alvarado	Dr. James L. Gardner	Dr. Inez Lees	Dr. Jitendra S. Rathore
Karl Antink	Sandra S. Gattas	Dr. Darryl A. Leon	Dr. Feiyan Ren
Sandeep Apte	Rosalia Pet Gemora	Michelle L. Levis	Cardius J. Richardson
Ana Sandra Aranda	William J. Glover	Dr. Gary Liu	Panithita Rochana
Tina D. Balsara	Meenakshi Goel	Yangyang Liu	Courtney Rogers
April Chingcuangco Bautista	Kristine Golveo	Bertrand Lui	Robyn Ann Rourick
Todd Becker	Dr. Eric Michael Gordon	Alan J. Mar	Dr. Brian Safina
Jeremy M. Beckford	Terra D. Haddad	Domenic Matthews	Enrique Salvatierra
John Bendrick	Jeffrey L. Harris	Frederick M. Michel	Andreas Schirmer
Jerome Bill Jr.	Dr. Meng Heng	Ruchika Mishra	Alia Schoen
Michael Blank	Eric Hoobler	Taran Flynn Mitchell	Adam Schrier
Dr. James M. Broering	Heather M. Hreno	Dr. Anurag Mittal	Debanti Sengupta
Dr. Kara A. Calhoun	William T. Hsu	Widya Mulyasmita	Dr. Krishnamohan Sharma
Ernest A. Carra	Dr. Ping Huang	Dr. Krzysztof Nauka	Gary Bruce Shepherd
Honkai Chang	Bo Young Hwang	Gabriella Nepomuceno	Sujata Singh
Dr. Ting Chen	John Brian Jameson II	Rebecca Newhouse	Oliver Sjahsam
Ronnie W. Cheung	Dr. Theodore S. Jardetzky	Yu Hin Ng	David Bernard Smith
Johnathan K. Chiem	Zhongjiang Jia	Anh-Dai D. Nguyen	Michael A. Smith
Vikramaditya Chikyala	Natalie Johnson	Dr. Michael Andrew Oar	Ronald M. Smith
Jacob Clary	Rebecca Johnson	Prof. Scott R J Oliver	Brittany A. Straw
Qiu Dai	Rebecca Johnson	Dr. Todd A. Ostomel	Dr. Conroy GC Sun
Lea M. Dankers	Jim Keba	Ekin Ozdogan	Yan Sun
Joseph W. Dilger	Dr. Jakob Kibsgaard	Kanwal Palla	Clarissa Tadeus
Sheng Ding	Dr. Young-Pil Kim	Dr. Niv Papo	Dr. Darren A. Thompson
Steven Do	Daniel Kleinbaum	Andreina Parisi-Amon	Parcharee Tivitmahaisoon
Dr. Richard Eckman	Benjamin Y. Ko	Steve J. Park	Howard S. Tom
Lubayna S. Elahi	Jon Kuchenreuther	Jay Pendleton Parrish	Pingchuan Tsai
Andrei Fedorov	Kendra Kuhl	Ankit Patel	Maria Valenzuela
Dr. Marcello Forconi	John P. Langrill	Kedar Patel	Piyush Verma
Dr. Marc Douglas Foster	Eric Lansdon	Dr. Ashish Pattekar	Benjamin Wang
Dennis Fournogerakis	Natasha Lare	Thang Phan	Jin Wang
			Lin Wang
			Donna Anthea Alexandra Wilton
			Amanda Wong
			William Yang
			Qun Kevin Yin
			Samantha Ying
			Dr. Ming Yu
			Dr. Lihua Zhao
			Yuan Zhuang

### Local Science Fairs in 2010

Contact: Howard Peters, [peters4pa@sbcglobal.net](mailto:peters4pa@sbcglobal.net)

January to June of each year is the time for intense effort for IMPORTANT science and engineering fair competitions at the local, regional, state and international levels.

**Contact local science fair information is below:**

**Intel International Science and Engineering Fair (ISEF) World Class Competition**

Date: Sun-Fri May 9-14;

JUDGING Tues, May 11, 5pm to 8pm and Wed, May 12, 8am to 6pm.

Location: San Jose Convention Center, San Jose CA

Contact: Dr. Howard Peters at [peters4pa@sbcglobal.net](mailto:peters4pa@sbcglobal.net)

or Dr. Roy Okuda, SJSU at [okuda@sjsu.edu](mailto:okuda@sjsu.edu).

For more information, visit: [www.sciserv.org/iseff](http://www.sciserv.org/iseff) or

[www.isef2010sanjose.org/judges.html](http://www.isef2010sanjose.org/judges.html)

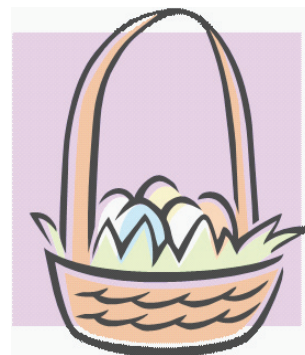
**California State Science Fair**

Date: Monday-Tuesday, May 17-18, 2009

Location: California Science Center, LA.

For information, visit: [www.usc.edu/CSSF/](http://www.usc.edu/CSSF/)

For other affiliated U.S. Science Fairs, please visit: [www.societyforscience.org/](http://www.societyforscience.org/)





## Call for Nominations for the Ottenberg Award

The Abraham Ottenberg Service Award was established in 1973 by the Santa Clara Valley Section to recognize members who have rendered outstanding service to the Section. It is named after Abraham Ottenberg, a former member who devoted much of himself to service to the Section. The award consists of an engraved plaque and a check for two hundred fifty dollars. The award recipient is selected from candidates nominated by members of the Section. Nominees must be members or affiliates of the Santa Clara Valley Section.

### Previous Award Recipients:

Shirley B. Radding (1974), Oliver S.

Senn (1975), Floyd M. Hobbs (1976), Frank R. Mayo (1977), Harry S. Mosher (1978), Lois J. Durham (1979), Richard W. Gaver (1980), Alan C. Ling (1982), Ludwig A. Mayer and John F. Riley (1983), Howard M. Peters (1984), June G. Jones and Robert L. Montoya (1986), Malcolm Dole (1987), Donald E. Green (1991), Hubert E. Dubb (1992), Karl Marhenke (1993), Stephen N. Senzer (1994), Carol W. Mosher (1995), Bonnie Charpentier (1998), Linda Brunauer (1999), Herb Silber (2000), Sally Peters (2001), Jamil Talhouk (2002), Ean Warren (2003), Maureen Scharberg (2004), Hong Gao (2005), George Lechner (2006), David

Parker (2007), Bruce Raby (2008), and Peter Rusch (2009).

The nominating letter should include a brief biography of the candidate and a description or evaluation of the service(s) to be recognized by the award. Seconding nominations are not required but will be accepted.

Nominations are due on or before Tuesday June 15, 2010 to be considered for the 2010 Award, and must be mailed (not e-mailed) to:

**Chair, Ottenberg Award Committee**  
 Santa Clara Valley Section ACS  
 Post Office Box 395  
 Palo Alto, CA 94302-0395

## Photos from the February 17th Dinner Meeting with Dr. Valery Uhl

By Lois Durham



Mary Jo Dilger and Barbara Withers



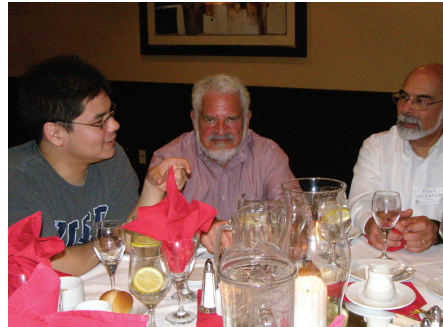
Bruce Raby and Dr. Valery Uhl



Evan Sarina, Paul Vartanian, Sally Peters, Peter Rusch and David Parker



Sally Peters, Peter Rusch and David Parker



Evan Sarina, Harry Ungar and Paul Vartanian



Tom and Bob Stutz



Larry Hennessy and Joseph Castellano



David Nehrkorn and Melanie Billigmeier



Bruce Whitten, George Lechner and Valery Uhl



# Highlights of the March 18th Dinner Meeting with Dr. Joseph Castellano

Photos Courtesy of Lois Durham



Natalie McClure



George Lechner and Dr. Joseph Castellano



Joseph Castellano



Karl Marhenke, Kevin Greenman and Dawn Van Seggen



George Lechner, Peter Rusch and Mark Kent



Bego Gerber, Howard Peters and Peter Hammond



Bruce Raby and Martin Neitzel



Mark Kent and Blair Narog



Ro Dinkey, Sally Peters and Jim Dinkey



Mark Kent, Bego Gerber and Howard Peters



Martin Neitzel, Hope and Dean Oliver



Bruce Raby and Howard Peters



## CHEMPLOYMENT ABSTRACT 3947

**Position Title:** Research Associate - Medicinal Chemistry

**Job Description:** The Research Associate - Medicinal Chemistry will participate in Genentech's innovative program in drug discovery. The candidate will be responsible for the design and synthesis of novel drug-like compounds.

**QUALIFICATIONS DESIRED:**

**Education:** Bachelor's or Master's degree in Organic Chemistry

**Experience:** This position requires 2-8 years of experience in synthetic or medicinal chemistry. The incumbent should be highly motivated and excited to work in a collaborative environment. Demonstrated expertise in multi-step synthesis, compound purification and structural characterization is preferred.

**LOCATION, SALARY, EMPLOYER DESCRIPTION:**

**Job Location:** South San Francisco, CA

**Salary:** DOE

**Employer:** Genentech is among the world's leading biotech companies, with multiple therapies on the market for cancer and other serious medical conditions

**Application Instructions:** Genentech is dedicated to fostering an environment that is inclusive and encourages diversity of thought, style, skills and perspective. To learn more about our current opportunities, please visit: <http://careers.gene.com> and reference Req. #1000030386. Please use "Web - ACS" when a source is requested. Genentech is an equal opportunity employer

## CHEMPLOYMENT ABSTRACT 3948

**Position Title:** Academic Year Lecturer

**Job Description:** Subject to funding, the Department of Chemistry and Biochemistry at Santa Clara University has two one-year and one two-year full-time non-tenure-track openings for teaching chemistry lectures and/or laboratories beginning Fall 2010. Specific teaching responsibilities are provided at the websites given below

**QUALIFICATIONS DESIRED:**

**Education:** Ph.D. in chemistry is a minimum qualification.

**Experience:** Prior teaching experience at the university level is strongly preferred

**LOCATION, SALARY, EMPLOYER DESCRIPTION:**

**Job Location:** Santa Clara University

**Salary:** At least \$48,300-51,100 per year

**Employer:** The Department of Chemistry & Biochemistry at SCU is a Catholic, Jesuit institution with an ACS-approved undergraduate program and that educates a diverse student population. As an EOE/AA employer, we encourage applications from candidates who will contribute to the inclusive excellence of our community

**Application Instructions:** See [www.scu.edu/hr/careers/faculty.cfm](http://www.scu.edu/hr/careers/faculty.cfm) or [www.scu.edu/cas/chemistry/Job-Opportunities.cfm](http://www.scu.edu/cas/chemistry/Job-Opportunities.cfm) for details regarding application materials and deadline for submission. Questions should be directed to Dr. John Gilbert, Department of Chemistry & Biochemistry, Santa Clara University, 500 El Camino Real, Santa Clara, CA 95053. E-mail: [jjgilbert@scu.edu](mailto:jjgilbert@scu.edu).

## CHEMPLOYMENT ABSTRACT 3949

**Position Title:** Academic Year Lecturer

**Job Description:** Subject to funding, the Department of Chemistry and Biochemistry at Santa Clara University has one two-year full-time non-tenure-track opening for teaching lectures and/or laboratories and maintaining/repairing instrumentation, beginning Fall 2010. Specific responsibilities are provided at the websites given below

**QUALIFICATIONS DESIRED:**

**Education:** Master's degree in chemistry or biochemistry or closely-related field is a minimum qualification

**Experience:** Prior teaching experience at the university level is desirable and extensive experience in repair and maintenance of sophisticated instrumentation is preferred.

**LOCATION, SALARY, EMPLOYER DESCRIPTION:**

**Job Location:** Santa Clara University

**Salary:** At least \$48,300-51,100 per year

**Employer:** The Department of Chemistry & Biochemistry at SCU is a Catholic, Jesuit institution with an ACS-approved undergraduate program and that educates a diverse student population. As an EOE/AA employer, we encourage applications from candidates who will contribute to the inclusive excellence of our community

**Application Instructions:** See <http://www.scu.edu/cas/chemistry/Job-Opportunities.cfm> or [www.scu.edu/hr/careers/faculty.cfm](http://www.scu.edu/hr/careers/faculty.cfm) for details regarding application materials and deadline for submission. Questions should be directed to Dr. John Gilbert, Department of Chemistry & Biochemistry, Santa Clara University, 500 El Camino Real, Santa Clara, CA 95053. E-mail: [jjgilbert@scu.edu](mailto:jjgilbert@scu.edu).







SANTA CLARA VALLEY SECTION  
AMERICAN CHEMICAL SOCIETY  
P.O. Box 395, Palo Alto, CA 94302

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To receive an email when our newsletter  
is published on our web site, sign up at:  
<http://www.scvacs.org/newsletter/>

## SANTA CLARA VALLEY SECTION

### 2010 Section Officers

Chair	<b>Bruce Raby</b>	408-294-6718	alanice811@att.net
Chair-Elect	<b>Abby Kennedy</b>	209-640-2005	akennedy@exelixis.com
Past Chair	<b>Natalie McClure</b>	650-906-7831	nmccclure@drugregulatoryaffairs.com
Secretary	<b>Karl Marhenke</b>	831-688-4959	karlmar@armory.com
Treasurer	<b>Ihab Darwish</b>	650-594-1654	darwishis@yahoo.com

### Councilors

2008-2010	<b>George Lechner</b>	408-226-7262	glechner@aol.com
2008-2010	<b>Herb Silber</b>	408-924-4954	hbsilber@science.sjsu.edu
2009-2011	<b>Abby Kennedy</b>	209-640-2005	akennedy@exelixis.com
2009-2011	<b>Howard Peters</b>	650-854-4614	peters4pa@sbcglobal.net
2009-2011	<b>Ean Warren</b>	650-329-4554	ewarren@scvacs.org
2010-2012	<b>Linda Brunauer</b>	408-554-6947	lbrunauer@scu.edu
2010-2012	<b>Sally Peters</b>	650-812-4994	Sally.Peters@parc.com
2010-2012	<b>Peter Rusch</b>	650-961-8120	pfrusch@aol.com

### Alternate Councilors

2008-2010	<b>Mark Kent</b>	408-736-0989	markkent@yahoo.com
2009-2011	<b>Ihab Darwish</b>	650-594-1654	darwishis@yahoo.com
2009-2011	<b>David Parker</b>	408-615-4961	dparker@santaclaraca.gov
2009-2011	<b>Bruce Raby</b>	408-294-6718	brida954@comcast.net
2010-2012	<b>Lois Durham</b>	650-322-3507	ldurham9398@sbcglobal.net
2010-2012	<b>Natalie McClure</b>	650-906-7831	nmccclure@drugregulatoryaffairs.com
2010-2012	<b>Stephanie Gehling</b>	408-429-9681	s_gehling@hotmail.com
2010	<b>Harry Ungar</b>	831-708-2049	haungar@cruzio.com

### Newsletter

Editor	<b>Stephanie Gehling</b>	408-429-9681	s_gehling@hotmail.com
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### ChemPloyment Abstracts

Director	<b>Charles Sullivan</b>	650-728-7034	cdansullivan@sbcglobal.net
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## FUTURE MEETINGS

- Apr 15 Meeting** Dr. Steven Boyer  
Using Computers to Read Scientific Literature  
Santa Clara, CA
- Apr 24** Regional High School  
Chemistry Olympiad  
Las Positas College, Livermore, CA
- May 9-14** Intel International Science and  
Engineering Faire  
San Jose Convention Center  
[www.societyforscience.org/ISEF](http://www.societyforscience.org/ISEF)
- May 20 Meeting** Dr. Laura Smoliar  
Fiber Lasers and Their Applications  
Santa Clara, CA
- May 21-23** 14th Annual Green Chemistry  
Conference  
Washington, DC  
<http://acswebcontent.acs.org/gcande>
- Jul 10 Meeting** Annual Wine Tasting and Awards  
Dinner  
Stanford Chemistry Department
- Jul 13-15** SemiconWest 2010  
San Francisco, CA  
[www.semiconwest.org/index.htm](http://www.semiconwest.org/index.htm)