



# SoCal SETAC NEWS



Society of Environmental Toxicology and Chemistry  
Southern California Chapter

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[www.socalsetac.org](http://www.socalsetac.org)

October 2009

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Three members of last year's Board need to be particularly acknowledged. I would like to thank our outgoing President, Chris Stransky, who did such a great job of guiding this organization; our outgoing Past President, Ken Schiff, who coordinated one of our most successful and cost-effective annual meetings ever; and Kat Prickett, who continues to amaze me with her knowledge of everything SETAC and her unflagging willingness to assist others on the Board.

At our first Board meeting on August 24th, we discussed our plans for the coming year. On Friday, October 23 at 5:00 PM we will be hosting a dinner meeting (see announcement later in the newsletter) at Acapulco Restaurant in Long Beach. The speaker will be Dr. Jeremy Pal of Loyola-Marymount University, and he will be discussing climate change. Please come and meet the Board and enjoy great food, libations, and a very timely and interesting presentation.

This year's National Meeting will be in New Orleans on November 19-23. As in the past, we are planning to have a SoCal SETAC luncheon meeting during one of the days of this event. Also continuing with past years' traditions, we will be heavily involved in our student outreach program. Coordinated by Phil Markle, we plan to award a student grant in February, judge numerous southern California science fairs during March through May, and provide an Earth Day Display in Los Angeles County tentatively scheduled for April 9th. Our last two events of the year will include our two-day SoCal SETAC annual meeting in April and a fun activity, perhaps similar to last year's Doheny Beach clean-up and barbeque in June.

So, this year is shaping up to be fun, exciting, and relevant. Stay tuned!

With warm regards,

Tim

## ***President's Corner***

**By Tim Mikel, SoCal SETAC President**

Welcome new and continuing members! I am very excited to have been chosen by our Board to be President of SoCal SETAC, and I am flattered by their confidence in me. Firstly, I really want to thank the outgoing Board Members who were so instrumental in making this past year so successful - Ken Schiff (Past President), Carlita Barton (Treasurer), Wesley Hunter, Dave Gibson, Jenny Jay, Christine Lee, and Chris Osuch. Carlita, who has been Treasurer for many, many years, will be particularly missed.

I also wish to welcome our new Board Members - Barry Snyder (Vice President), Joe Freas (Treasurer), Vanessa Thulsiraj, John Dorsey, Dan Sowersby, Josh Westfall, Lisa Haney, and Paul Krause. Together with the returning Board Members - Chris Stransky (Past President), Kat Prickett (Secretary), Phil Markle (Outreach Coordinator), Pavlova Vitale (Webmaster), Christine Broussard, Adrienne Cibor, and Wayne Lao, I have no doubt that we will have a terrific year.

## ***Dinner Meeting Announcement***

**By Kat Prickett**

SoCal SETAC's fall dinner meeting will be held on October 23 at 5 o'clock at Acapulco Restaurant, 6270 E. Pacific Coast Hwy., Long Beach.

The featured speaker for the dinner meeting will be Dr. Jeremy Pal, Assistant Professor of Civil Engineering and Environmental Science at Loyola Marymount University. Dr. Pal is a contributing author to the Intergovernmental Panel on Climate Change, which was a co-recipient of the Nobel Peace Prize with Al Gore. ***His talk is titled: Climate Change: Observational Evidence, Future Projections, Impacts.***

Additional meeting information is attached.

## ***Meet the Board***

**By Lisa Haney**

I grew up as a child of a navy military officer. We moved every three years and we always lived by the ocean. I spent much of my free time combing the beaches to collect macro invertebrates and took them home to pore through books and figure out what they were. Since I was a very small child, I have always been fascinated by the marine world and knew that I wanted to go into the field of marine science.

In college, at Northern Arizona University, I felt very fortunate to work with a marine invertebrate ecologist who studied the population genetics, taxonomy, and mating systems of marine isopods in Baja California. For four years, I combed the beaches of Baja collecting isopods and learning the techniques of molecular genetics and crustacean taxonomy. I continued on with my education by completing five years of graduate school at the University of Charleston, South Carolina. I studied coral reef community structure in Belize, Central America with an additional focus on the taxonomy and distribution of blennioid fishes. I also continued in the field of molecular biology, working for the Department of Natural Resources for the State of South Carolina,

analyzing and reporting on the population genetics for many commercially important marine fish species.

After moving to Los Angeles and working at a molecular biotech company, I decided to switch gears and follow another passion: science education. I helped train staff and set up interactive exhibits for the Discovery Center at the Natural History Museum of Los Angeles County. I also became a teacher trainer for the Los Angeles Unified School System for an international environmental science curriculum called GLOBE (Global Learning and Observations to Benefit the Environment). GLOBE promotes and supports students, teachers and scientists to collaborate on inquiry-based investigations and active research of both land and sea environments. In addition, I took a position as Director of Programs in Ecology at a private school in downtown Los Angeles.



**Cabrillo Marine Aquarium - Earth Day Outreach Event**

Starting in 2001, I began working with the Sanitation Districts of Los Angeles County as a marine taxonomist/ecologist. My duties with the Sanitation Districts are diverse and include diving, taxonomy of crustaceans and echinoderms, field sampling, database management, as well as policy and regulation. One of the more rewarding professional experiences I have had is the opportunity to be on the Advisory Committee for the development of Sediment Quality Objectives. The State has been successful in working with stakeholders, scientists, and regulators to develop a policy which incorporates three lines of evidence (Benthos,

Chemistry, and Toxicity) to evaluate sediment condition in enclosed bays and estuaries. For the past seven years, I have been involved with the recently adopted Phase I policy specific to direct effects that protect benthic organisms associated with sediment. Phase II, concerned with bioaccumulative pathways and human health, is currently underway.

On a more personal note, I love to cook, hike, camp, scuba dive and explore. If you have a great recipe to share, I'm interested! What I like to do most of all though is spend time doing these activities with my family. My husband Todd is also a marine biologist and science educator. We have two wonderful little boys, Ty age five and Ryan age 2. I look forward to introducing myself and my family to all of you and feel honored and excited to have been chosen as one of your SETAC Board members.

### ***Regulatory Update - EPA Region IX Approves State SQO Plan***

**By Barry Snyder**

On August 25<sup>th</sup>, EPA Region IX approved the State Water Resources Control Board Water Quality Control Plan for Bays and Estuaries – Part 1. Sediment Quality. Part 1, referred to as the *Sediment Quality Objectives (SQO) Plan*, provides narrative sediment quality objectives to protect marine and estuarine benthic communities from direct exposure to pollutants in sediments. Part 1 integrates chemical and biological measures to determine if the sediment dependent biota are protected or degraded as a result of exposure to toxic pollutants in sediment, and to protect human health. The final document can be found at:

[http://www.swrcb.ca.gov/water\\_issues/programs/bptcp/docs/sediment/sed\\_qlty\\_part1.pdf](http://www.swrcb.ca.gov/water_issues/programs/bptcp/docs/sediment/sed_qlty_part1.pdf)

### ***Website***

**By Pavlova Vitale**

Hello everyone. If you haven't already done so, please take a look at our new website. If you have any publications, job openings, or announcements that you would like to share with the rest of us, pass them on to

me and I will post them on our website. Also, if you have any pictures you want included in the photo gallery, pass those on to me as well. My email address is [pvitale@waterboards.ca.gov](mailto:pvitale@waterboards.ca.gov).

### ***SoCal SETAC at the National SETAC Meeting, New Orleans, Louisiana November 19-23***

**By Chris Stransky**

Unbelievably, it's that time of year again already! For those fortunate enough to be able to make it out to New Orleans for the National SETAC Meeting, please be sure to join us for our traditional local SoCal Chapter get-together. National SETAC offers us space at the meeting; however, for the past several years we have opted for local culture outside the convention during lunch. Stay tuned for a separate announcement with a location and time, and please feel free to let me know soon if you have a secret favorite spot worth looking into. Also, please keep an eye out and join us at the local Chapter Booth (time TBD). It's a nice gathering spot, but can be a bit lonely at times. Finally, if you or a local colleague is presenting, please send us your title and session so we can put a list of SoCal SETAC presentations together. We'll send this out before the meeting as a nice way of sharing what we're up to collectively. It also helps with catching local folks at this huge event. I look forward to seeing you there.

### ***Student's Corner***

**By Vanessa Thulsiraj**

Greetings! I would like to introduce myself. I am Vanessa Thulsiraj, a student representative and one of your new board members. This year the board would like to invite student members of SoCal SETAC to share their research with others. SoCal SETAC members encompass a wide array of professionals and scientists actively taking part in groundbreaking innovative research, and we would love to hear about yours. I think it only appropriate that I kickoff this new type of Student's Corner by introducing my research and current work.

I went straight from undergrad at UC Irvine to graduate school. Now I am a Ph.D. student in the Civil and Environmental Engineering Department at UCLA, conducting research in Dr. Jennifer Jay's laboratory. So how does my story start? Most of us aren't born dreaming of becoming Environmental Engineers. Doctors, lawyers, or police officers maybe, but usually not environmental engineers. Well, my passion stemmed from the fact that I grew up in Huntington Beach, CA, which I would argue is one of the best beach communities in Orange County. The summer of '99 led to the infamous beach closing due to high indicator bacteria. As a teenager at the time, it was devastating. Going to the beach was one of my main pastimes. I wondered how, after all the advancements we have made in water treatment, there could still be water quality issues. I realized there was more to this question and that a lot of work could be done in this field. I declared Environmental Engineering as my major, and fell in love with it. As I begin my seventh year of college, I still proudly introduce myself as an Environmental Engineer.

The greatest thing about Environmental Engineering is that you get to do fieldwork. What better office than an ocean? So logically my research focus has become coastal water quality, specifically fecal source tracking utilizing molecular and rapid methods in urban watersheds and recreational marine beaches. In Dr. Jay's lab my colleagues and I have been investigating the use of a real-time PCR method to detect human-specific Bacteroidales to proxy for human fecal contamination in the Santa Monica Canyon watershed, Malibu Creek and Lagoon, as well as Ventura Harbor and Keys. Moreover, we have been able to test the tiered approach in these watersheds and determine correlations between Bacteroidales and fecal indicator bacteria.

Shortly after beginning research on assessing coastal water quality, I had a growing desire to do some type of research across the border. I am half Mexican and my parents are fortunate enough to own a vacation home in a small community near Rosarito Beach. We have vacationed in this small resort town since I was in grade school. If you ever get a chance to go down to Mexico, I highly recommend it. The food is great, and the people are warm and friendly. When I mentioned the idea of a research project in Baja California, Dr. Jay was all for it. This year we are beginning a collaborative project to determine the extent of human contamination north and south of the San Antonio de los Buenos Wastewater Treatment Plant, located just south of Playas de Tijuana.

Local community members have expressed interest in knowing the water quality of their recreational beaches, but due to the low number of beaches tested, the water quality question remains unanswered. With this project we hope to detect and quantify indicator bacteria concentrations and the extent of human fecal contamination in order to bring to light the risks associated with swimming in these waters.

It's been a pleasure being able to share my story with you and talk about my current research. Again, I invite any student member who would like to share his or her journey and research with SoCal SETAC to contact me (vtulsiraj@ucla.edu). Maybe you will be featured in the next newsletter!



## *Calendar of Events*

**By Wenjian Lao**

### **October 2009**

**SoCal SETAC Dinner Meeting  
Climate Change: Observational Evidence, Future Projections, Impacts, Dr. Jeremy Pal**  
October 23, Acapulco Restaurant, 6270 E. Pacific Coast Hwy., Long Beach, California

### **2009 Headwaters to Oceans (H2O) Conference**

October 27-29, Long Beach Hilton, Long Beach, California  
<http://www.coastalconference.org/>

### **November 2009**

**American College of Toxicology 30th Annual Meeting**  
November 1-4, Wyndham Palm Springs, Palm Springs, California

### **California Stormwater Quality Associate Conference (CASQA)**

November 2-4, Hilton San Diego Resort & Spa, Mission Bay, San Diego, California

### **4th SETAC Africa Meeting**

November 2-5, Munyonyo, Kampala, Uganda

### **SETAC North America 30th Annual Meeting**

November 19-23, New Orleans, Louisiana, USA

### **December 2009**

### **Association of California Water Agencies Fall Conference**

December 1-4, Town & Country Resort & Convention Center, San Diego, California



## Southern California SETAC



**Invites You to Attend**  
A Dinner/Speaker Meeting

**Climate Change:  
Observational Evidence, Future Projections, Impacts**

by

**Dr. Jeremy Pal**

Assistant Professor of Civil Engineering and Environmental Science

**Loyola Marymount University**

Contributing Author of

Intergovernmental Panel on Climate Change,

Co-recipient of the Nobel Peace Prize with Al Gore

**October 23, 2009**

**5:00 PM social hour**

**6:00 PM dinner**

**Acapulco Restaurant**

6270 E. Pacific Coast Hwy

Long Beach, CA 90803

<b>Name:</b>		<b>Registration Information (Circle One)</b>		
<b>Company/ Institution:</b>		<i>Membership Status:</i>	<i>Received before 10/16/09</i>	<i>On Site</i>
<b>Address:</b>		SoCal SETAC Member	\$25	\$30
<b>Phone/ Fax:</b>		Non-Member (Includes membership)	\$35	\$40
<b>E-Mail:</b>		SoCal SETAC Student Member	\$15	\$20
		Non-Member Student (Includes student membership)	\$20	\$25
<b>Mexican Buffet Dinner:</b>		Send check or money order made out to <b>SoCal SETAC to:</b>		
Roasted Yucatan Chicken Carnitas, Steak Picado, cheese enchilada pie, Mexican Caesar salad, rice, beans, fresh fruit tray, flour and corn tortillas, fresh guacamole, sour cream and pico de gallo.		<b>Kat Prickett</b>		
Buffet also includes coffee, tea, and soft drinks.		SoCal SETAC Secretary P.O. Box 1619 San Pedro, CA 90733		

## Environmental Toxicology and Chemistry Short Courses



# New Orleans

**Big Science, Big Fun, in the Big Easy**

New Orleans Hilton Riverside, New Orleans, Louisiana, USA., 19-23 November 2009



## Sign up for a professional Short Course at the SETAC Annual Meeting on Thursday November 19, 2009.

Why should you take a short course at SETAC?

- Up-to-date information on environmental toxicology and chemistry
- Instructors are specialists and practitioners in the field
- Meet people from Industry, Government and Academia working in the environmental science field
- Gain skills in the latest technologies, techniques and methodologies
- Get a Great Course for a Great Low Price!
- The courses are FUN!

Courses offered:

### Half Day Courses – A.M.

- SC1 Laboratory Culturing and Testing of Freshwater Mussels and use of Mussel Data for Water Quality Management
- SC2 Natural Resources Damage Assessment – Key Concepts
- SC3 Nanotechnology: Environmental Risks and Regulations
- SC4 Remote Sensing for Environmental Applications and Risk Assessment

### Half Day Courses – P.M.

- SC5 Non-destructive Collection of Biological Samples from Wild Species for Contaminant Analysis
- SC6 Environmental Data Quality: The Good; The Bad; The Ugly?
- SC7 GIS-based Modeling of Chemical Fate and Transport
- SC8 Job Skills Workshop: Employment in Environmental Toxicology and Chemistry
- SC9 Statistical Analysis Using R
- SC15 Theory and practice of passive sampling techniques for assessing contaminant bioavailability and bioaccumulation potential in sediment.

### Full day Courses

- SC10 Managing Multi-Criteria Environmental Contamination Problems: Software Tools
- SC11 Modeling Fate and Effects of Pollutants with AQUATOX Release 3
- SC12 Systems, Ecosystem Services, and Decision Making in the Context of Supply-Side Sustainability
- SC13 Advanced Mass Spectrometric Analysis for Endocrine Disruptors, Pharmaceuticals and Illicit Drugs in the Environment
- SC14 Collecting and Handling Water Samples for Low-Level Mercury and Trace Metals Analyses

	Full Day		Half Day	
	By 9 Oct	After 9 Oct	By 9 Oct	After 9 Oct
Member	\$230	\$355	\$120	\$185
Member (Student)	\$75	\$115	\$45	\$65
Non-Member	\$260	\$385	\$150	\$225
Non-Member (Student)	\$85	\$125	\$55	\$75

For more information on the Short Courses and on SETAC or to register, please go to [www.SETAC.org](http://www.SETAC.org)



# APPLICATION FORM



## Southern California Society of Environmental Toxicology and Chemistry

### MEMBERSHIP APPLICATION FORM

Please print

<b>Name:</b>	<b>Affiliation:</b>
<b>Address:</b>	<b>City:</b>
<b>State:</b> <b>ZIP:</b>	<b>Phone:</b>
<b>FAX:</b>	<b>Email:</b>

Check if any new contact information is provided above.

#### Membership Type (Check one):

Membership Renewal                       New Member

#### Category of Employer (Check One):

Government                       Academic  
 Consultant                       Industry/Business  
 Student                       Other \_\_\_\_\_

#### Technical Background (Check all that apply):

Atmospheric Science     Earth Science                       Health Science  
 Biology                       Ecology                       Toxicology  
 Chemistry                       Engineering                       Other \_\_\_\_\_

#### Degree(s) earned:

B.A./B.S.                       M.A./M.S.                       Ph.D.                       P.E.                       Other \_\_\_\_\_

#### Class of Membership\* (check one):

Active Member / Regional Member                      \$20.00 per year  
 Student Member                      \$10.00 per year

Please make check out to SoCal SETAC and mail to P.O. Box 1619, San Pedro, CA 90733.

\***Active Member** and **Regional Members** are qualified professionals who share the stated purpose of the Chapter and who have education, training, research, or applied experience in environmental toxicology and/or chemistry. **Active Members** must also be members of SETAC NA (North America). **Student Members** are individuals who share the stated purpose of the Chapter and are students showing promise of becoming qualified for Regional or Active status at a later date.

Unfortunately, SoCal SETAC does not have the clerical staff to send reminder notices or pro-rate dues for partial year membership. **New member dues paid before April 1 of the current calendar year will apply to the current membership cycle (July 1 – June 30).**

**SoCal SETAC  
Corporate Advertising Rates, Sustaining Membership, and  
Annual Meeting Sponsorship**

<b>PROGRAM</b>	<b>COST</b>	<b>SERVICE</b>
Newsletter Advertisement (per issue) Full page Half page Quarter page Eighth page	 \$100 \$75 \$50 \$35	<ul style="list-style-type: none"> <li>• Advertisement</li> </ul>
Corporate Sustaining Membership (per year)	\$300	<ul style="list-style-type: none"> <li>• Half page advertisement in Newsletter for the year</li> <li>• One Professional membership</li> <li>• Special recognition by the Chapter</li> </ul>
Corporate Annual Meeting Sponsorship (per year)	\$250	<ul style="list-style-type: none"> <li>• Full page advertisement in Annual Meeting Program</li> <li>• Single membership</li> <li>• Special recognition in the Meeting Program</li> </ul>

**Aquatic Bioassay & Consulting** Laboratories, Inc.  
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805 643 5621  
www.aquabio.org



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- *Sediment & Water Quality Surveys*
- *Fish Surveys*
- *Invasive Species Surveys*


**PACIFIC ECORISK**

Pacific EcoRisk is an environmental consulting firm conducting research and testing in the fields of environmental toxicology, aquatic biology, and environmental chemistry. Our scientists are skilled in integrating their expertise in these areas to produce high-quality, cost-effective, and often innovative solutions to complex environmental problems. Our primary objective is to provide the best information available for our clients, which include POTWs, industry and agriculture, ports/marinas, US military, local, state, and federal regulatory agencies, as well as support for environmental or engineering firms.

**CONSULTING SERVICES**

- Petroleum impacts on aquatic systems
- Pesticide impacts on aquatic systems
- Mining/Metals impacts on aquatic systems
- Areas of Special Biological Significance (ASBS) Monitoring & testing
- Site-specific Water Quality Criteria Studies
- Agricultural Runoff (Ag Waiver) Monitoring
- Support for Ecological Risk Assessments
- Support for TMDL Development
- Expert witness testimony

**AQUATIC TESTING SERVICES**

- NPDES compliance testing
- Effluents/Ambient Waters/Chemical Products
- Acute and chronic toxicity testing
- Freshwater, estuarine and marine tests
- Static, static-renewal and flow-through
- *In situ* monitoring & testing
- Title 22 hazardous waste testing
- Water Effects Ratio (WER) studies

**SEDIMENT TESTING SERVICES**

- Testing with freshwater, estuarine and marine species
- Bioaccumulation studies with freshwater, estuarine, and marine species
- Whole sediment, sediment elutriate, sediment porewater testing
- Sediment-Water Interface Core testing
- Static, static-renewal and flow-through
- *In situ* monitoring & testing

**DREDGE MATERIALS EVALUATIONS**

- Preparation of Sampling & Analysis Plans (SAPs)
- Client representation with regulators
- Chemical and biological evaluation of proposed dredge material
- Preparation of reports and facilitation of permits
- Tier I, Tier II, Tier III, and Tier IV evaluations

**TOXICITY IDENTIFICATION/REDUCTION EVALUATIONS (TIEs, TREs)**

- Phase I, Phase II, & Phase III
- Industrial and Municipal Effluents
- Ambient surface waters
- Stormwater runoff
- Whole sediment, sediment elutriate, and sediment porewater matrices
- Preparation of TRE workplans

**FIELD SERVICES**

- Ambient water quality monitoring
- Surface water and sediment collection
- "Clean technique" sampling
- Benthic invertebrate collection
- "Rapid" Bioassessment
- Pesticide application monitoring
- Physical/Habitat characterization



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**For more information or to discuss your project or testing needs please call: (707) 207-7760 or visit: [www.pacificcorisk.com](http://www.pacificcorisk.com)**

**LOCATIONS**

**CORPORATE HEADQUARTERS**  
2250 Cordelia Road  
Fairfield, CA 94534  
*phone* : 707.207.7760  
*fax* : 707.207.7916

**CENTRAL VALLEY**  
6820 Pacific Avenue, Ste. 3D  
Stockton, CA 95207  
*phone* : 209.952.1180  
*fax* : 209.952.1180

**SOUTHERN CALIFORNIA**  
2792 W. Loker Avenue, Ste. 100  
Carlsbad, CA 92010  
*phone* : 760.602.7919  
*fax* : 760.602.9119



**Nautilus Environmental**

*California*  
 5550 Morehouse Drive, Suite 150  
 San Diego, California 92121  
 858.587.7333  
 fax 858.587.3961

879 West 190th Street, Suite 400  
 Gardena, California 90248  
 310.217.4106  
 fax 310.217.4107

*Washington*  
 5009 Pacific Highway East, Suite 2  
 Tacoma, Washington 98424  
 253.922.4296  
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 Director of Natural Resource Management  
 Weston Solutions, Inc.  
 2433 Impala Drive  
 Carlsbad, CA 92010  
 760-795-6956  
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The Trusted Integrator for Sustainable Solutions



# CONSIDINE & CONSIDINE

CERTIFIED PUBLIC ACCOUNTANTS

## BACKGROUND

Considine & Considine was founded in 1946, and is proud to be San Diego's largest local accounting firm.

## MISSION STATEMENT

As a full-service accounting, tax, and consulting organization, Considine & Considine strive to provide personal, quality service to businesses, individuals, and professional practices in a manner that is responsive, solution driven, and yet cost effective.

## CORE COMPETENCIES

- ◆ Traditional Monthly, Quarterly, and Annual Financial Statements
- ◆ Tax Planning
- ◆ Tax Returns
  - Corporations
  - Individuals
  - Partnerships
  - Sole Proprietorships
  - LLC's
  - Non-Profits
- ◆ Management Consulting Services
- ◆ Reviews and Audits
- ◆ Personal Financial Planning
- ◆ Retirement Plan Administration
- ◆ Estate and Trust Planning and Administration
- ◆ IRS Representation

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- ◆ Real Estate
- ◆ Construction
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 Web-Site: [cocpa.com](http://cocpa.com)

## SoCal SETAC Officers July 2009 - June 2010

Position	Name & Affiliation	Responsibilities
<b>Past President</b>	<b>Chris Stransky</b> Nautilus Environmental <a href="mailto:chris@nautilusenvironmental.com">chris@nautilusenvironmental.com</a>	-Advisor/Stand-in for President and Vice-President -Program Committee Chair for SoCal SETAC -Annual Meeting
<b>President</b>	<b>Tim Mikel</b> Aquatic Bioassay <a href="mailto:tim@timmikel.com">tim@timmikel.com</a>	-National SETAC Liaison -Board Agenda & Action Items
<b>Vice President</b>	<b>Barry Snyder</b> AMEC Earth & Environmental <a href="mailto:barry.snyder@amec.com">barry.snyder@amec.com</a>	-Newsletter Editor
<b>Treasurer</b>	<b>Joe Freas</b> Aquatic Bioassay <a href="mailto:Joe@AquaBio.org">Joe@AquaBio.org</a>	-Maintain Chapter Finances/Non-profit status -Meeting Finances & Contracts
<b>Secretary</b>	<b>Kat Prickett</b> Port of Los Angeles <a href="mailto:kprickett@portla.org">kprickett@portla.org</a>	-Membership Maintenance -Recording board meeting minutes -Election Coordinator
<b>Webmaster</b>	<b>Pavlova Vitale</b> RWQCB SA <a href="mailto:pvitale@waterboards.ca.gov">pvitale@waterboards.ca.gov</a>	-Maintains and updates SoCal SETAC website
<b>Outreach Coordinator</b>	<b>Phil Markle</b> LACSD <a href="mailto:pmarle@lacsdsd.org">pmarle@lacsdsd.org</a>	-Coordinates outreach efforts with SETAC NA

## SoCal SETAC Board of Directors

<b>Board Member (2008-2010)</b> Academic	Christine Broussard University of La Verne <a href="mailto:broussac@ulv.edu">broussac@ulv.edu</a>		<b>Board Member (2009-2011)</b> Academic	John Dorsey Loyola Marymount University <a href="mailto:JDorsey@lmu.edu">JDorsey@lmu.edu</a>
<b>Board Member (2008-2010)</b> Private	Adrienne Cibor Nautilus Environmental <a href="mailto:adrienne@nautilusenvironmental.com">adrienne@nautilusenvironmental.com</a>		<b>Board Member (2009-2011)</b> Private	Dan Sowersby Weston Solutions <a href="mailto:Dan.Sowersby@westonsolutions.com">Dan.Sowersby@westonsolutions.com</a>
<b>Board Member (2009-2010)</b> Student	Vanessa Thulsiraj UCLA <a href="mailto:Star2luna@gmail.com">Star2luna@gmail.com</a>		<b>Board Member (2009-2011)</b> Student	Josh Westfall Loyola Marymount University <a href="mailto:JWestfall@lacsdsd.org">JWestfall@lacsdsd.org</a>
<b>Board Member (2008-2010)</b> Public	Wenjian Lao SCCWRP <a href="mailto:waynel@sccwrp.org">waynel@sccwrp.org</a>		<b>Board Member (2009-2011)</b> Public	Lisa Haney LACSD <a href="mailto:LHaney@lacsdsd.org">LHaney@lacsdsd.org</a>
			<b>Board Member (2009-2011)</b> At Large	Paul Krause ARCADIS <a href="mailto:Krause@arcadis-us.com">Krause@arcadis-us.com</a>