

April 19-20, 2012 **Southern California Coastal Water Research Project** Costa Mesa, CA



## Call For Papers

Southern California Regional Chapter of the  
Society of Environmental Toxicology and Chemistry

### 2012 Annual Meeting

April 19-20, 2012

**Southern California Coastal Water Research Project**

3535 Harbor Blvd., Suite 110

Costa Mesa, CA 92626



#### Important Dates:

- All abstracts are due by **APRIL 1, 2012.**
- Pre-registration Deadline for the meeting is **APRIL 1, 2012.**

### Program Highlights

#### **Day 1 – Thursday, April 19**

**Morning Special Session: *Details to be provided soon***

**Afternoon Plenary: *Details to be provided soon***

**Evening Poster Social: *Details to be provided soon***

#### **Day 2 – Friday, April 20**

**Platform Sessions: *Details to be provided soon***

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## Posters and Platform Presentations

SoCal SETAC is requesting abstracts for platform or poster presentations at the 2012 annual meeting. Any primary research, case study, monitoring program data, or policy-based papers related to environmental toxicology, chemistry or related fields are acceptable. We also encourage presentation of student proposals and research at the meeting by offering Best Student Poster and Platform Presentation Awards. Every student presenter will receive a free 2012 SoCal SETAC membership and the best student poster and platform presentations will be awarded a \$100 cash scholarship. This meeting is also a great opportunity to present information from the SETAC NA annual meeting to those who could not attend the November 2011 meeting or to prepare for the 2011 SETAC NA meeting.

### Abstract Instructions

The abstract deadline is April 1, 2012 and the format for submission is as follows. The abstract, including the authors and title, are not to be longer than 300 words. Longer abstracts may be edited. At the top of the file, provide the name, address, phone, FAX, and e-mail information of the presenting author. Then skip a line and list your preference for a platform or poster presentation and whether this paper is to be judged for the Best Student Paper Award. Skip a line and type the title of the abstract in bold using title case. Then list the authors, last name first, then the first and middle initial, and place an asterisk (\*) after the name of the presenting author. Include the name, city, and state of the institution for each author but not the department or street address. Without skipping a line, begin the text of the abstract.

An example of the correct submission format can be found on the next page. Abstracts should be submitted as a Microsoft Word file via e-mail attachment.

Send the files via e-mail to **Barry Snyder:** [barry.snyder@amec.com](mailto:barry.snyder@amec.com)

The presenting author will be notified of acceptance status no later than three weeks after the abstract deadline.

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**Student Presenters:** If you wish to have your poster judged for best award your poster must be up by 4:30 PM

### Example of correct abstract format

Philip J. Markle  
County Sanitation Districts of Los Angeles  
San Jose Creek Water Quality Laboratory  
1965 Workman Mill Road  
Whittier, CA 90601  
T: 562-699-0405, ext. 3055  
F: 562-695-7267  
E: [pmarkle@lacsdsd.org](mailto:pmarkle@lacsdsd.org)

My preference is a PLATFORM presentation.  
I do not wish to be judged for the Best Student Paper Award.

**Application of the Pearson Product-Moment Correlation for Evaluating Whole Effluent Toxicity Test Concentration Response Relationships.**

**Phil Markle\*, Joseph Gully, and Carlita Barton. County Sanitation Districts of Los Angeles, Whittier, CA.**

The dose response relationship has been characterized as the most fundamental and pervasive concept of toxicology. This concept assumes a causal relationship between the dose or concentration of a substance and the measured response. This has been recognized in the latest USEPA chronic bioassay testing protocols through the requirement to evaluate the concentration-response relationships of all NPDES multi-concentration tests. Although the protocols provide complicated and subjective guidance on evaluating dose response relationships, the SETAC NA Expert Advisory Panel for Performance Evaluation and Data Interpretation has recommended the use of the Pearson product-moment correlation statistic in their Wild, Wild, WET short course. The Pearson product-moment correlation is a relatively simple and objective analysis that establishes whether a significant relationship exists between concentration and response. The two methods were compared by evaluating the dose responses from 149 NPDES reported chronic toxicity tests using both the EPA protocol recommended guidance and the Pearson product moment correlation. The USEPA and Pearson product-moment correlation typically agreed in terms of establishing an appropriate concentration response relationship prior to identifying a sample as being toxic. Results indicate that the two methods were in agreement in 93% of the tests. However, in 3% of the tests, the USEPA guidance identified the sample as “toxic” while the Pearson product-moment correlation did not identify a significant concentration response. Conversely, 4 % of the tests identified a significant concentration response curve but would have been considered “non-toxic” according to USEPA guidance.



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#### Tentative Schedule of Events

##### Thursday, April 14

08:00-17:00 Registration  
08:30-11:30 Special Session  
11:30-13:00 Lunch (on your own)  
13:00-13:30 Welcome and Announcements  
13:30-17:00 Plenary  
17:00-19:00 Poster Session and Social

##### Friday, April 15

08:00-13:00 Registration  
09:00-10:20 Platform Sessions 10:20-10:40 Break  
10:40-11:40 Platform Sessions  
11:40-13:00 Lunch (included for meeting registrants)  
13:00-14:20 Platform Sessions 14:20-14:40 Break  
14:40-16:00 Platform Sessions  
16:00-16:30 Presentation of Awards, Closing remarks

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#### Tentative Platform Session Topics

- General environmental chemistry and aquatic toxicity
- Bight'08 studies/regional monitoring work
- Ports and Harbors investigations
- Stormwater monitoring, BMPs, permitting changes
- Regulatory issues/TMDL/other
- ASBS
- Sediment/Water TIEs
- Sediment Quality Objectives (SQOs)
- Urban Impacts
- Bacteria/Indicator species
- Bioassessment
- Endocrine Disrupting Compounds and Subcellular effects
- Emergent Chemicals



# Meeting Registration



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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>	

### Application for Membership

Membership Renewal (thru June 2013)  Current member (skip to registration section)  New member  Non-member (skip to registration section)

#### Category of Employer (check one)

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

**Membership Category** (Annual membership covers July 1<sup>st</sup> – June 30. Dues paid prior to March 1 will apply only to the current membership cycle)

Active\* (\$20/yr)      Regional (\$20/yr)      Student (\$10/yr) **Membership Dues \$ \_\_\_\_\_**

\*Active members must also be members of National SETAC (requires separate dues payment)

### Meeting Registration (Pre-registration discount by 1 April, 2012)

	Active/Regular Member	Non-member <sup>1</sup>	Student Member	Student Non-Member <sup>1</sup>	Sub-Total
Full Meeting Pre-registration	\$100	\$120	\$50	\$60	
Full Meeting Registration (after April 1)	\$120	\$140	\$60	\$70	
1 day Meeting Pre-registration (circle date: 4/19 or 4/20)	\$75	\$90	\$38	\$45	
1 day Meeting Registration (after April 1) (circle date: 4/19 or 4/20)	\$90	\$105	\$45	\$53	

Membership (if applicable, from above) \$

Full meeting Registration fees include the plenary, evening social, and platform sessions. **PAYMENT TOTAL** \$

1. Non-Member fees include membership through June 2013

Mail this form and payment to: Wendy Hovel, SoCal SETAC Secretary, 26300 La Alameda, Suite 240, Mission Viejo, CA 92691; (Check or money order only; Payable to "SoCal SETAC")

Cash, checks, and money orders will be accepted during onsite registration (no Purchase Orders or credit cards). **Requests for refunds (minus \$25 processing fee) must be submitted in writing by April 18, 2012.**



## Directions to SCCWRP

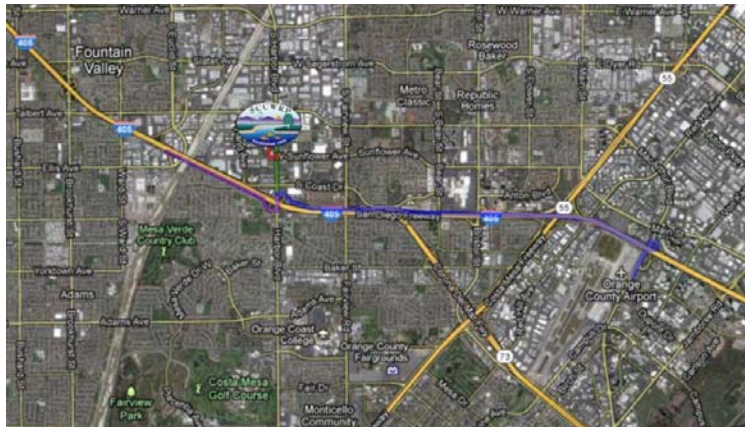


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#### Directions From the South:

- Proceed north on the 405 Freeway.
- Exit at the South Coast Rd./Fairview Rd./Harbor Blvd. offramp.
- Follow the ramp (in the left lane) to the Harbor Blvd. exit (third exit).
- Exit the freeway, turning right onto Harbor Blvd. Take Harbor Blvd. to Sunflower Ave. (third stoplight).
- Turn left onto Sunflower Ave.
- Turn right into the first driveway.
- Proceed past the first stop sign.
- SCCWRP is in the building immediately to the left.

#### Directions From the North:

- Proceed south on the 405 Freeway.
- Exit at Harbor Blvd., turning left onto Harbor.
- Take Harbor Blvd. to Sunflower Ave. (fourth stoplight).
- Turn left onto Sunflower Ave.
- Turn right into the first driveway.
- Proceed past the first stop sign.
- SCCWRP is in the building immediately to the left.