



13th Annual Meeting & Short Course **CALL FOR PAPERS** North Atlantic Chapter of the Society of Environmental Toxicology & Chemistry

June 13-15, 2007
Roger Williams University, Bristol, RI

Join us on beautiful Bristol Bay!!



PROGRAM

Wednesday, June 13, 2007

Thursday, June 14, 2007

Friday, June 15, 2007

Short Course - all day, lunch included.
Morning & afternoon sessions w/ lunch.
Poster Session, Social Mixer, & Barbeque overlooking
the Mount Hope & Narragansett Bays.
Morning sessions.
Annual Membership meeting.
Board of Directors business luncheon.

PLATFORM SESSIONS (Please contact Session Chair to participate)

- **What's New in Benthic Evaluation: Bioassessment Revisited** (Chair, Janet Robinson, jrobinson@woodardcurran.com) The use of benthic macroinvertebrate surveys as a basis for evaluating stream health has for many years been the mainstay of many state biomonitoring programs, and is a standard line of evidence in the risk assessment of aquatic systems. However, despite years of science, questions still remain about appropriate indices, methodologies, and interpretation of results, particularly in small systems or urban settings. Many surveys are completed using relatively few samples, and the variability that results challenges both practitioners and regulators alike. In this session, we will look at new work on the development and use of benthic surveys and community indices. Topics include impact assessment, selective use or development of indices for different contaminants, advances in methodology, use of statistics, and innovative approaches to methodology and evaluation.
- **Contaminated Sediment Assessment** (Chair, John Williams, jwilliams@aquatecb.com) This session invites talks within the broad area of sediment toxicology or chemistry. Areas of interest and relevance include: advances in bioaccumulation assessments; sediment toxicity identification evaluations (TIE); in-situ toxicity testing approaches; contaminated sediment remediation approaches; regional lakes, rivers, or harbors case studies; and advancements or assessments of laboratory methods. Platform presentations or posters for this session will highlight recent research in some of these areas of interest.
- **Contaminants of Emerging and Continuing Concern** (Chair, Diane Nacci, nacci.diane@epa.gov) 'Emerging contaminants' have been measured globally in environmental media and wildlife tissues. Chemicals in this category include those associated with consumer products, such as pharmaceuticals and personal care products, but also other chemicals associated with human use such as brominated flame retardants (PBDEs) and other bioaccumulative, persistent, and toxic chemicals. These contaminants, which vary in their chemical structure, and where known, sometimes exert health effects at extremely low levels, present novel challenges to environmental chemists and toxicologists. In addition, the discovery of these identified compounds in the environment suggests that there are many other unmeasured compounds of potential concern relative to ecological and human health. Contributions are solicited that describe the development and application methods, and provide examples of the detection and toxicological characterization of emerging contaminants in environmental media.

- **Metal Speciation and Bioavailability** (Chair, Jimmy Hauri, Jhauri@assumption.edu)
It is understood that total metal concentration is not well correlated to metal eco-toxicity. This session will explore various aspects dealing with the interaction between metal speciation and metal toxicity. Submissions are requested for topics including: analytical techniques to measure chemical speciation or biological effect of metals, biogeochemical modeling of metals in environmental systems, regulatory frameworks to incorporate the realities of metal speciation into discharge limits or policy, and remediation techniques that take advantage or address metal speciation.
- **Application of the Weight-of-Evidence Approach to Environmental Problems** (Chair, Margaret McArdle, mcardle@exponent.com) The Weight-of-Evidence (WOE) approach is a decision making framework in which data from multiple measurements are categorized and weighted so that an overall conclusion regarding risk or harm can be reached. Strengths and limitations of different measurement methods and logical relationships among them are considered in the WOE approach by evaluating the level of confidence given to the various measures, whether the result of the measurement indicates there is an effect, the strength of the result, and the concurrence among the various measures. Some state agencies, such as the Massachusetts Department of Environmental Protection, recommend the use of the WOE approach in judging the potential for ecological risk at hazardous waste sites. Papers are solicited that provide examples of the use of the WOE approach in sediment quality assessments, ecological risk assessments and risk management decisions.
- **Tools and Techniques for Assessing Natural Resource Damage** (Chairs, Alan Parsons, pegllc@comcast.net, and Steve Davis, sdavis@entrix.com)

SHORT COURSE

“Sediment Toxicity Testing: Methods to Achieve Strong Data Sets & Interpret Results.”



Conducted by sediment experts from Aquatec Biological Sciences, the U.S. Environmental Protection Agency, and the U.S. Army Corps of Engineers, this one day workshop is designed to provide the nuts and bolts of sediment toxicity test sample collection, toxicity test and test species selection, and interpretation of test results. This beginner to intermediate level course will provide informational tools necessary to plan, conduct, and interpret sediment toxicity tests as part of the evaluation of contaminant impacts on aquatic systems.

ACCOMMODATIONS with Roger Williams University

RWU's Bayside Apartments Residential Buildings

1 bedroom apt., 2 beds	\$100* per apt., per night
2 bedroom apt., 4 beds	\$180* per apt., per night
3 bedroom apt., 5 beds	\$200* per apt., per night

* plus 7% sales tax

The RWU conferences center Kay Neves at (401) 254-3218 for on campus housing. Reservations deadline May 27th.



RWU's Baypoint Inn

The RWU's Baypoint Inn offers additional rooms nearby campus. Reservations call (401) 683-3600. (\$89+tax, hotel style)

FOR MORE INFORMATION OR QUESTIONS

Mike Thompson, Meeting Chair (mthompson@woodlotalt.com) 207-729-1199

Dodi Borsay Horowitz, Treasurer/Secretary. (borsay.dodi@epa.gov) 401-782-3042

Check our website WWW.NACSETAC.ORG details!