



**21st Annual International Conference on**

**Soils, Sediments, Water, and Energy**

**March 14-17, 2011, Mission Valley Marriott, San Diego, CA**

**W**e invite you to submit an abstract for consideration for presentation at the 21st Annual International Conference on Soils, Sediments, Water, and Energy, March 14-17, 2011. Please submit a ONE PAGE abstract containing: title, 300 (max) word narrative; and for each author: name, degree, affiliation, complete address, telephone, fax and email. Be sure to follow the complete Abstract Submission Requirements on the reverse side or on our website for correct submission format ([www.aehsfoundation.org](http://www.aehsfoundation.org)). Please note: The body of the abstract is to be no more than 300 words. Please remember to indicate whether you wish the abstract to be considered for platform presentation, poster presentation, or either. Correctly formatted abstracts may be emailed to [brenna@aehsfoundation.org](mailto:brenna@aehsfoundation.org). Please send the abstract as a Microsoft Word attachment, saved as the presenting author's last name in lowercase letters.

**Deadline for Submission is July 9<sup>th</sup>, 2010**

**Session Topics** include, but are not limited to, the following areas:

- Acid Mine Drainage
- Arsenic
- Bioavailability
- Bioremediation
- Biotechnology
- Brownfields
- Chemical Analysis
- Chlorinated Compounds
- Cleanup Standard Setting
- Contamination at Military Installations
- Ecological Risk Assessments
- Environmental Fate and Modeling
- Environmental Forensics
- Emerging Contaminants
- Energy
- GIS/Data Visualization
- Hazard, Exposure and Risk Assessment
- Heavy Metals
- Hydrocarbon Identification
- Innovative Remedial Technologies
- Institutional Controls
- Legal Issues in Environmental Health
- Mining Impacts
- MTBE/Oxygenates
- Natural Attenuation
- Oil and Gas Production
- Perchlorate and TCE
- Pharmaceuticals in Water
- Phytoremediation
- Regulatory Programs and Policies
- Risk Assessment
- Risk Based Corrective Actions (RBCA)
- Sediments
- Site Assessment/Field Sampling
- Soil Chemistry
- Sustainability
- Urban Runoff
- Vapor Intrusion
- Wetland Restoration
- Case studies on any of the above

**Publication:** Manuscripts from both platform and poster presentations may be voluntarily submitted for consideration of publication in any of the following peer-reviewed journals:

- **Environmental Forensics**
- **Human and Ecological Risk Assessment**
- **International Journal of Phytoremediation**
- **Soil Sediment Contamination: An International Journal**

Please contact the Managing Editor of the journal you are interested in. See "Instructions for authors" under the respective journal link on our website <http://www.aehsfoundation.org/Journals.aspx>

**Student Competition:** 2011 will mark the 7<sup>th</sup> Annual Adventus Americas Student Competition. \$500 cash prizes will be awarded to the two best student presentations. Both platform and poster presentations are eligible. Full or part-time students may enter. Winners will be selected, based on originality, organization, communication, research techniques and overall quality of the presentation. Please indicate, in writing, your desire to participate in the competition when submitting your abstract. You will receive email confirmation of your entry in the competition.

**Scientific Advisory Board** AEHS Foundation attributes the success of this conference, in large part, to a very dedicated and hard working Scientific Advisory Board (SAB). The SAB evaluates abstract submissions, recommends invited papers and presenters, advises with regard to session topics, and serves as conference ambassadors. The SAB is crucial to the conference development. Care is taken to create a board that represents philosophical, scientific, regulatory, and geographical balance.

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- Port of Los Angeles
- Regenesis
- RETEC Group (ThermoRetec)
- Safety Kleen
- Sandia National Laboratory
- Sempra Energy
- Shell Oil Company/Shell Global Solutions (US)
- Solinst Canada
- Southern California Edison
- Strategic Diagnostics
- Texaco
- US EPA
- WSP Environmental Strategies

FOR FURTHER INFORMATION regarding the conference, submitting an abstract, exhibiting or sponsoring, please see our website ([www.aehsfoundation.org](http://www.aehsfoundation.org)) or contact Brenna Lockwood

**AEHS Foundation**  
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**Tel: 413-549-5170 • Fax: 413-549-0579**  
**email: [brenna@aehsfoundation.org](mailto:brenna@aehsfoundation.org)**



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## Announcement & Call for Abstracts

### 21st Annual International Conference on Soils, Sediments, Water, and Energy

#### Formatting Requirements

March 14-17, 2011  
San Diego, California  
[www.aehsfoundation.org](http://www.aehsfoundation.org)

- 1 → **Perspective on In-Situ MTBE Plume Bioremediation**
- 2 → Sonya M. Webb and Ernest E. Lory
- 3 → **Platform Presentation**  
Concern over Methyl-tertiary-Butyl Ether (MTBE)-polluted aquifers has increased as the number of contaminated plumes increases, and as evidence accumulates suggesting that MTBE has adverse effects on human health.
- 4 → The Department of Defense National Environmental Technology Test Site (D/NETTS), located on the Naval Construction Battalion Center, Port Hueneme, California, emphasizes advanced fuel hydrocarbon remediation in soil and ground water. Its mission is to develop and maintain research and development platforms for testing, evaluation, and validation of promising environmental cleanup and monitoring technologies. As part of the D/NETTS program an MTBE plume is being used as a test platform to evaluate in-situ remediation technologies including monitored natural attenuation, oxygen and air injection, and microbial injection.  
A comparison of in-situ MTBE biodegradation will be presented with regard to natural attenuation, enhanced natural attenuation and injected microbial cultures. Using these case studies, a decision assisting process will be presented on applicability of these various processes to different types of sites.
- 5 → Sonya M. Webb  
Naval Facilities Engineering Service Center, Code 414SW, 1100 23rd Avenue, Port Hueneme, CA 93043, USA, webbsm@nfesc.navy.mil, Telephone: (805) 982-4993, Fax: (805) 982-4304  
Ernest E. Lory  
Naval Facilities Engineering Service Center, Code 411EL, 1100 23rd Avenue, Port Hueneme, CA 93043, USA, loryee@nfesc.navy.mil, Telephone: (805) 982-1299, Fax: (805) 982-4304
- 6 → Presenting Author: Sonya Webb

1. **Abstract title** should be no more than 15 words, bold 12 point Arial font, title case, centered.
2. **Authors names** should be underlined 12 point Arial font, centered.
3. Please indicate **presentation preference** (platform, poster, or either) bold 10 point Arial Font, centered.
4. **Abstract narrative** should be no more than 300 words. Use 10 point Arial font with 1.5 line spacing, justified.
5. For each **author** listed, provide the name, affiliation, address, telephone, fax, and email (required). The name of the presenting author should be underlined.
6. Please specify the **presenting author** as indicated.
7. Abstracts may be **emailed** to [brenna@aehsfoundation.org](mailto:brenna@aehsfoundation.org). Please send the abstract as a Microsoft Word attachment saved as the presenting author's last name in lowercase letters.
8. **Abstract submission deadline is July 9, 2010.**

**Faxed Abstracts WILL NOT Be Accepted**