

Announcement & Call for Abstracts



Southeast Asia Environmental Forensics Conference September 19-21, 2005 National Taiwan University of Science & Technology Taipei, Taiwan

**Sponsored by the International Society of Environmental Forensics
(ISEF), Taiwan Industrial Technology Research Institute (ITRI)
and Taiwan EPA**

General Conference Format

- 8:30 - 12:00 Plenary Sessions - 2 concurrent sessions consisting of 30-45 minute presentations
12:00 - 1:00 Lunch (included in conference registration)
1:00 - 5:00 Workshops - 2 concurrent workshops each day

Location

The conference will be held at:

National Taiwan University of Science & Technology (NTUST)
43, Keelung Road
Section 4
Taipei 106 Taiwan
Republic of China

Information on NTUST is found at <http://www.ntust.edu.tw>.

Conference Lodging

A block of rooms at the Howard Hotel, Taipei, Taiwan are being reserved at a special conference rate of \$115 US. Participants are responsible for making their own travel arrangements and reservations. Contact information for the hotel is:

The Howard Plaza Hotel Taipei
160, Jen Ai Road, Section 3,
Taipei, Taiwan 106 Republic of China
TEL:00-886-2-2700-2323

Plenary Session Topics

The conference will be organized with the plenary presentations and workshops devoted to a different set of environmental forensic topics each day. The suggested topic focus for each day is as follows:

Day One: Air and Surface Water

Day Two: Marine Environments and Groundwater

Day Three: Soil and Sediments

Workshops

The purpose of the workshops is to provide a detailed sharing of information on specific topics that are consistent with the plenary session topics (e.g., Day One workshops will deal with air and surface water, etc). Workshops will be 4 hours long and may consist of several speakers. They are intended to be more interactive than the plenary sessions. **For questions regarding workshop topics and organization, please contact Dr. Robert Morrison at Robert.Morrison@DPRA.com or Dr. Zhendi Wang at Zhendi.wang@ec.gc.ca.**

Examples of suggested workshop topics are listed below.

- Forensic Statistics (PCA, PVA, etc)
- Marine Oil Spills
- Forensic Aerial Photographic
- Polycyclic Aromatic Hydrocarbons (PAH's)
- Polychlorinated Biphenyls (PCB's)
- Dioxins
- Endocrine Disruptors
- Biological Markers
- Comprehensive GC x GC
- Laser Ablation ICP-MS
- Visualization of Environmental Data
- Environmental Quality Assurance/Quality Control
- Harmonized Standards for Total Petroleum Hydrocarbons in Soil
- Creating and Managing Environmental Forensic
- Data Interpretation with Geographic Information System (GIS) Software
- Applications of Forensic Techniques: Case Studies
- Applications of Forensic Techniques in Lead Investigations
- Microbiological Applications in Environmental Forensic Investigations
- Contaminated Land Characterization and Remediation

- Application of Contaminant Transport Modeling in Environmental Forensics
- Groundwater Contamination and Characterization
- Receptor Modeling to Identify Air Pollution Sources

Conference Publications

A conference program and a manual containing abstracts of the plenary sessions and descriptions of the afternoon workshops will be distributed at the conference. After the conference, a special issue of *Environmental Forensics*, the official journal of the International Society of Environmental Forensics (ISEF), will be devoted to manuscripts presented at the conference. Manuscripts will be subject to the peer-review process.

Submission of Abstracts

We invite you to submit an abstract or to solicit abstracts for consideration. Abstract submissions should be one page containing:

- title
- maximum of 300 word narrative; and
- the name, degree, affiliation, complete address, telephone number and email address for each author (see Abstract Submission Guidelines)

Please follow the *Abstract Submission Guidelines* on the last page of this announcement for correct submission format. Indicate whether your abstract is to be considered for plenary session presentation or workshop proposal or either of these. Email submissions are welcome and encouraged. Contributors will be contact by June 15, 2005 concerning whether their abstracts have been accepted. **Please send all email submissions to Dr. Zhendi Wang at Zhendi.Wang@ec.gc.ca or Dr. Robert Morrison at Robert.Morrison@DPR.com.**

Registration

Cost: \$250 (US)

Registration fees will be collected on-site at the conference.

Registration fees are waived for Science Advisory Board members and speakers.

Deadline for Abstract Submission is May 1, 2005

Abstract Submittal Guidelines

**Southeast Asia Environmental Forensics
Conference
September 19-21 2005
National Taiwan University of Science &
Technology
Taipei, Taiwan, R.O.C.**

- Abstract Title should be no more than 15 words (with only the first letter of each word capitalized).
- Authors names and affiliations. Name of the presenting author should be underlined.
- The abstract narrative should be no more than 300 words. Use 12 point Times New Roman or Arial font.
- If submitting by email, indicate the presenting author on a separate line (underline format can be lost from on-line submissions).
- Type the name, affiliation, complete address, telephone, fax number and email for EVERY author listed. Name of the presenting author should be underlined.
- Please mark your presentation preference for plenary session or workshop proposal (or any).
- Abstracts may be emailed to: Robert.Morrison@DPR.com or Zhendi.Wang@ec.gc.ca
- Abstract submission deadline is May 1, 2005.

An Overview Of Risk-Based Corrective Action (RBCA) For Petroleum Release Sites. John B. Gustafson and Curtis C. Stanley, Shell Development Company, Paul C. Johnson, Arizona State University, Dennis D. Rounds, South Dakota Petroleum Release Compensation Fund. Presently, most states require cleanup of soil and groundwater based on generic ARAR's. Usually, little thought is given to site-specific factors which should be key in determining the appropriate level of cleanup. The use of generic ARAR's also does little to help with effective site categorization and management. This issue is exemplified by the problems associated with many state TRUST funds and CERCLA (i.e., little effective prioritization, rapid fund depletion). Large amounts of money are being spent to cleanup sites which may pose little risk to human health or the environment. This is occurring because many agencies have nothing to base cleanups on other than ARAR's which do not take beneficial use into account. For those states which are developing risk-based procedures, there appears to be little consistency of approach, with many of the requirements being overly conservative and difficult to implement. In response to needs expressed by regulatory agencies and industry, the American Society for Testing of Materials (ASTM) undertook the challenge to develop a standardized approach to risk-based corrective action (RBCA) for petroleum release sites. A diverse and balanced task group was established. This group was comprised of representatives from the USEPA, state regulatory agencies, state cleanup funds, environmental consulting firms, and petroleum, insurance, and banking industries. Recently, ASTM ES 38-94, "Guide for Risk- Based Corrective Action at Petroleum Release Sites" was approved as an ASTM Emergency Standard by the ASTM Committee on Standards. Since its formal approval (and even during the draft phase), this document has received considerable attention.

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Faxed Abstracts WILL NOT BE accepted