

Announcement and Call for Abstracts

INEF Penn State Conference 2013

A conference for the Environmental Forensic community

*The Pennsylvania State University, University Park, PA
June 10-12, 2013*

www.rsc.org/inef

Important Dates:

Registration Opens: 1 January, 2013
Abstracts Deadline: 25 March, 2013
Notification to Authors: 22 April, 2013
Camera Ready final Papers due: 27 May 2013

Program Chair:

Frank Dorman, *Penn State University*

Local Organizing Committee:

Jessica Westland, *Penn State University*
Cheri McConnell, *Penn State University*
Jack Cochran, *Restek Corporation*

Program Committee:

Stephen Mudge, *Exponent, UK*
Gwen O'Sullivan, *University of Plymouth*
Lorna Dawson, *McCauley Institute*
Angus Evers, *SJ Berwin*
Jeff Focant, *University of Liège*
Mike Fowler, *University of Portsmouth*
Jack Cochran, *Restek Corporation*
Alan Jeffrey, *Zymax Forensics*
Brian Murphy, *Exponent, USA*
Eric Reiner, *Ontario Ministry of the Environment*
Robert Morrison, *DPRA*
Gil Oudijk, *Triassic Technology Inc.*
Paul Philip, *University of Oklahoma*
Leo Rebele, *Gannett Fleming*
Illeana Rhodes, *Shell Global Solutions*
Court Sandau, *Chemistry Matters*
Susan Richardson, *USEPA*
Donald Patterson, *Exponent, USA*
Ken Scally, *Entrix*



"Old Main" on the campus of The Pennsylvania State University, founded in 1855

Overview

The International Network of Environmental Forensics (INEF) was founded in 2008 for the express purpose of providing a forum for scientists, environmental consultants, regulators and lawyers to share information regarding the use of environmental forensics. Environmental forensics is the use of scientific techniques to identify and apportion the source(s), age and timing of a contaminant into the environment. INEF is a non-profit, interest group within the Royal Society of Chemistry (RSC).

Following the success of the INEF Calgary conference in 2009 and the Cambridge conference in 2011, we are seeking papers for the 2013 Penn State University conference. The combination of plenary presentations, and oral and poster technical sessions will provide an opportunity for people of all experiences to learn from environmental forensic experts practicing and/or studying in this field.

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Presentations from speakers with “real world experience” are encouraged along with example case studies. In addition, we will host a full-day training course in Environmental Forensics targeted to scientists that wish to learn more about this area. This course will be taught by internationally-recognised leaders in the field.



The conference and short course will be held at the Hintz Center on the campus of Penn State

Technical Sessions, June 11-12, 2013

Two days of technical sessions will feature selected presentations on environmental forensic topics solicited from international leaders in the field. Selected speakers will submit manuscripts summarizing their papers that will be peer-reviewed prior to publication by the Royal Society of Chemistry. Copies of the proceedings will be provided to all conference attendees following the conference.

Short Course June 10, 2013

A preliminary full day environmental forensics course to the conference will include presentations of forensic geochemistry with an emphasis on petroleum hydrocarbons, chlorinated solvents, and organic compounds. Compound specific isotope analysis and the use of surrogate analysis in environmental forensic investigations are presented in detail.

Call for Abstracts

The conference organisers invite prospective authors and presenters to consider submitting abstracts for oral, and poster presentations in all areas of

environmental forensics. Topics of interest include but are not limited to:

- Fingerprinting techniques to identify the source and age of a contaminant release
- Environmental litigation and law impacting forensic investigations
- Presenting complex environmental data in court – strategies to get the information across
- Forensic field investigations and surveys in terrestrial and marine environments
- Uses of remote sensing and aerial photography in forensic investigations
- Advanced forensic analytical techniques
- Quality assurance and quality control of analytical data
- International environmental forensic reference materials, standards, and new directives
- Application of microbiological techniques to identify the origin of a contaminant release
- Petroleum hydrocarbon fingerprinting and source identification in a marine environment
- Lessons from the Gulf of Mexico Deepwater Horizon release
- Age dating techniques for oil, chlorinated solvents, dioxin/furans, radioactive materials and metals
- Contaminant transport modelling
- Visualization of forensic evidence
- Forensic statistics (PCA, PVA, etc.)
- Groundwater contamination, characterization and modelling
- Implementation of forensic investigative techniques
- Methodology for the rigorous analysis of forensic evidence
- Application of stable isotopes in forensic investigations

Selection will be based on the quality of the written submissions. Please see the detailed author guidelines on the INEF web site at www.rsc.org/inef.

How to Submit

Submissions should be written from a strong technical background and should clearly demonstrate a familiarity with the related work and field. Abstracts will be no longer than one page in portrait layout. The title of the abstract should be as concise as possible and co-authors and affiliations listed. The use of figures, graphs and schemes is recommended where

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this aids the understanding of the text. Please send abstracts as an MS Word email attachment to Dr. Frank L. Dorman (fld3@psu.edu). Please include your full address and contact details of the main author and the presenting author in the mail and indicate whether you are submitting an oral or a poster presentation.

Authors will be notified by April 22, 2013. Each accepted submission will be required to produce a final paper which will be published in conjunction with the Royal Society of Chemistry in a book format. The deadline for submission of final papers is May 27, 2013. Guidelines for production of the final paper will be provided along with notification of submission success.

Student Awards Program

INEF has an active student outreach program with the express purpose of encouraging students to pursue studies in environmental forensics. Student abstracts submitted for the conference as posters or for technical session presentations on an environmental forensic topic will be evaluated by a conference committee. Awards of \$1000, \$500 and \$250 (US) will be presented for three best student poster session abstracts or technical presentations. Students are encouraged to submit technical manuscripts for publication the RSC Conference Proceedings. Further details on submitting a student abstract may be found at www.rsc.org/inef.

The campus of The Pennsylvania State University is an easy drive from many of the large Eastern US cities. The University Park airport (Airport Code SCE) is serviced by Delta, USAirways and United. We will have additional information shortly concerning housing, but we have very attractive rates using University facilities. Please check the web site www.rsc.org/inef for more information.



**Our Conference and Reception Location at
Penn State University**

We hope to see you here!

Getting to the University