

Announcement and Call for Abstracts

INEF Cambridge Conference 2011

A conference for the Environmental Forensic community

*St John's College, Cambridge, United Kingdom
July 25-27, 2011*

www.rsc.org/inef

Important Dates

Paper Abstracts Due: 4th April, 2011

Notification to Authors: 9th May, 2011

Camera Ready final Papers due: 15th July 2011

Conference Organizers

Programme Chair

Stephen Mudge, *Exponent, UK*

Gwen O'Sullivan, *University of Plymouth*

Programme Committee

Raul Cano, *California Polytechnic*

Lorna Dawson, *McCauley Institute*

Frank Dorman, *The Pennsylvania State University*

Angus Evers, *SJ Berwin*

Jeff Focant, *University of Liège*

Mike Fowler, *University of Portsmouth*

Glenn Johnson, *University of Utah*

Alan Jeffrey, *Zymax Forensics*

Brian Murphy, *Exponent, US*

Robert Morrison, *DPRA*

Gil Oudijk, *Triassic Technology Inc.*

Paul Philip, *University of Oklahoma*

Leo Rebele, *Gannett Fleming*

Illeana Rhodes, *Shell Global Solutions*

Court Sandau, *Trium Inc*

Peiyan Sun, *North China Sea Monitoring Center*

Zhendi Wang, *Environment Canada*



St. John's College in Cambridge was established in 1511

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 we are seeking papers for the 2011 Cambridge conference. The combination of plenary presentations, technical sessions and workshops will provide an opportunity for people of all experiences to learn from environmental forensic experts practicing and/or studying in this field. Presentations from speakers with "real world experience" are encouraged along with example case studies.

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Technical Sessions, July 25-26, 2011

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.



New Court, St. John's College in Cambridge

Workshops July 27, 2011

Individuals desiring to present detailed information on an environmental forensic topic are encouraged to submit a brief proposal for a 2-hour workshop. The purpose of the workshops is to provide an opportunity for a speaker(s) to provide focused information on a topic that cannot be adequately covered in a 30 minute technical session presentation. Invited speakers will provide workshops on petroleum hydrocarbons, statistical analysis of environmental forensic data and chlorinated solvents to complement workshop proposals.

The morning of Wednesday, July 27 will be devoted exclusively to concurrent workshops which complement the Technical Sessions chaired on July 25 and 26.

Call for Abstracts

The conference organisers invite prospective authors and presenters to consider submitting abstracts for oral, poster and workshop 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 A4 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 this aids the understanding of the text. Please send abstracts as an MS Word email attachment to either Dr. Gwen O'Sullivan (gwen.osullivan@plymouth.ac.uk) or Dr. Stephen Mudge (smudge@exponent.com). Please include your full address and contact details of the main author and the presenting author in the

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mail and indicate whether you are submitting an oral or a poster presentation.

Authors will be notified by May 9, 2011. 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 July 15, 2011. Guidelines for production of the final paper will be provided along with notification of submission success.

Invited Talks

Invited talks will share emerging developments in environmental forensics as well as the use of environmental forensic techniques in actual investigations. INEF welcomes suggestions for topics and short proposals for invited presentations. Please submit a brief outline, by email to Dr. O'Sullivan at gwen.osullivan@plymouth.ac.uk.

Workshop Presentations

Speakers interested in presenting environmental forensic information via detailed workshops are encouraged to submit a brief proposal describing the content of the workshop. Workshops will be two hours in length with the anticipated content to be in greater detail than available in a plenary presentation. Please submit a brief workshop outline, by email to Dr. O'Sullivan at gwen.osullivan@plymouth.ac.uk.



St. John's Chapel was built in 1280 on the former site of the home of the Augustinian Hospital of St. John.

Student Abstracts and Poster Session

INEF has an active student outreach programme 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.



Student graduation 2010

Field Trip July 27th, 2011

Following the workshop session field trip(s) are scheduled. The field trip(s) will provide delegates with an opportunity to interact in an informal setting on a professional and personal level. Cambridge is a cultural city with many attractions including world-renowned museum, fantastic theatres and beautiful architecture and scenery. Field trip(s) will be arranged so that delegates may part take in activities including punting and walking tours. Further information on things to see and do in Cambridge may be found at <http://www.visitcambridge.org/>.



Punting in flat-bottomed boat, resembles a Venetian gondola

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Registration and Lodging

Registration for the conference may be made from January 2011. Registration will be available at a variety of levels including full, daily-residential, daily non-residential, and student. Full registration will include:

- Admission to the sessions and workshops,
- En-suite accommodation for three nights at St. John's College (<http://www.joh.cam.ac.uk>)
- All meals; including English breakfast, lunch and three course dinner
- Annual membership to the RSC
- Conference bag, including a final programme
- Hard copy of the publication of proceedings published by the RSC

Further details on registration will be made available at www.rsc.org/inef.

CONFERENCE REGISTRATION LEVELS

	Full	Daily 1 night residential	Daily non-Residential	Student
3 Day En-suite Accommodation	✓	--	--	✓
1 Day En-suite Accommodation	--	✓	--	--
Conference Registration	✓	✓	✓	✓
Annual Membership to RSC ^a	✓	--	--	✓
English Breakfast	✓	✓	--	✓
Lunch	✓	✓	✓	✓
3 Course Dinner	✓	✓	--	✓
Conference Bag and Programme	✓	✓	✓	✓
Conference Proceeding (Published by RSC)	✓	✓	✓	✓

^a Annual membership will be provided to qualifying persons. Those already members of RSC members will receive a 10% discount on registration fee.

REGISTRATION AND LODGING FEES 2011^a (£)

	Early-Bird ^b	Standard	On-Site
Full ^c	650	740	770
Daily (Incl. 1 night accommodation)	240	270	300
Daily (non-residential)	120	134	150
Student	240	260	280

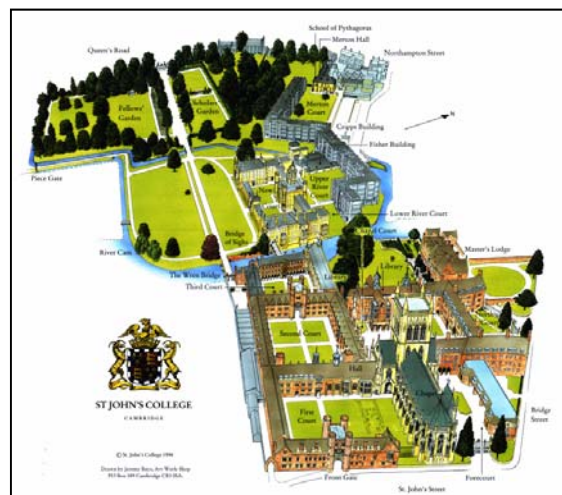
^a These dates are indicative and may be subject to changes

^b Early-bird registration will be available up until the 29/04/11

^c RSC members will receive a 10% discount on registration

St John's College

The College of St John the Evangelist is set on the backs of the River Cam in one of the most beautiful sites in the City of Cambridge. It blends traditional, the 16th and 17th century courts, attractively with the 20th century Cripps and Fisher Buildings.



St John' College was found by Lady Margaret Beaufort, mother of King Henry VII

The College was founded in 1511 by the last will and testament of Lady Margaret Beaufort, mother of Henry VII, on the original medieval site of the hospital of St John. The buildings have been added to steadily over the years. Outstanding features include the Dining Hall with its 16th century hammer beam roof and fine old linen-fold panelling and the Chapel built by Sir George Gilbert Scott in the Victorian Gothic style. St John's College is one of the largest of the University's residential colleges. The serene atmosphere of the ancient courts is complemented by the comfort, spaciousness and convenience of its modern accommodation. The Fisher Building, opened during the summer of 1988, has several meetings rooms and a large 250 seat lecture theatre, all of which are equipped with the very latest audio-visual and presentation technology.

Further Details

Further information regarding the conference, registration and travel to and from may be obtained at the conference web page www.rsc.org/inef. The complete technical programme will be available following the selection of abstracts.