



INTERNATIONAL SOCIETY OF ENVIRONMENTAL FORENSICS

Environmental Forensics: Theory, Applications and Case Studies
May 19-20, 2003
Grand Hotel des Iles Borromees
Stresa, Italy

DAY ONE

- 8:30-8:45 *Registration (coffee)*
- 8:45-9:00 *Welcome*
Robert D. Morrison, Ph.D., Moderator, DPRA, Inc., Escondido, California, USA
- 9:00-10:00 *Overview of Petroleum Hydrocarbon Chemistry and Environmental*
Ileana Rhodes, Ph.D., Shell Global Solutions, U.S., Inc., Houston, Texas, USA
- 10:00-11:00 *Advanced Forensic Techniques for Petroleum Hydrocarbons: The Exxon Valdez*
Experience
Gregory Douglas, Ph.D., Battelle, Duxbury, Massachusetts, USA
- 11:00-11:15 *Break*
- 11:15-12:00 *Pointing the Finger: Using Multivariate Statistics to Identify the Source of*
Contamination
Stephen M. Mudge, Ph.D., University of Wales, Bangor, Anglesey, UK
- 12:00-1:30 *Lunch*
- 1:30-2:30 *Graphical Presentation, Admissibility, and Challenges to Environmental Forensic*
Techniques in Litigation: Case Studies
Paul Phillips, Esq., Holland & Hart, LLP, Denver, Colorado, USA
- 2:30-3:30 *Use of Manual and Computer Controlled SEM Techniques for Characterization of Soil*
and Airborne Particulate
Stephen K. Kennedy, Ph.D., RJ LeeGroup, Inc., Monroeville, Pennsylvania, USA
- 3:30-3:45 *Break*
- 3:45-4:45 *Application of Groundwater Contaminant Transport Modeling in Environmental*
Forensic Investigations: Tucson Airport Superfund Site
Daniel B. Stephens, Ph.D., Daniel B. Stephens & Associates, Inc., Albuquerque, New
Mexico, USA
- 4:45-6:00 *Spatial Statistical Tools for Environmental Forensics at Multiple-Source Impacted*
Sites
Shahrokh Rouhani, Ph.D., New Fields, Inc., Atlanta, Georgia, USA
- 6:00 *Adjourn*

7:00-8:30

Wine and Cheese Welcome Reception

DAY TWO

8:30 – 8:45

Welcome

Stephen M. Mudge, Ph.D., Moderator, University of Wales, Bangor, Anglesey, UK

8:45 – 9:45

Stable Isotopes and Biomarkers in Forensic Geochemistry

R. Paul Philp, Ph.D., University of Oklahoma, Norman, Oklahoma, USA

9:45 – 10:45

Shell Chemistry as a Record of Metal Contamination of the Marine Environment: A Laser Ablation Study

William Perkins, Ph.D., University of Wales, Aberystwyth, Wales, UK

10:45 – 11:00

Break

11:00 – 12:00

Data Validation in Addressing Potential Litigations Between Regulators and Responsible Parties: Italian Case Histories

Giovanni Longoni, ENSR Italia S.r.l., Milan, Italy

12:00 – 12:45

Microbiology and its Application to Environmental Forensics

Andrew Ball, Ph.D., University of Essex, Colchester, UK

12:45 – 2:00

Lunch

2:00 – 3:00

Forensic Techniques for Age Dating and Source Identification of Chlorinated Solvents

Brian L. Murphy, Ph.D., Exponent, Tampa, Florida, USA

3:00 – 3:45

Overview of Environmental Legislation in the European Union Impacting on Management of Contaminated Sites

Francesca Quercia, ANPA, Roma, Italy

3:45 – 4:45

Status of Environmental Legislation in the United States with an Emphasis on Natural Resource Damages

Allan Kanner, Esq., Allan Kanner & Associates, P.C., New Orleans, Louisiana, USA

5:00 *Adjourn*