

## IUGS Initiative on Forensic Geology: Training and Development in Trace Evidence and Search for Criminal Investigations

Roma Tre University, 20<sup>th</sup> September 2011

Laurance J Donnelly & Rosa Maria Di Maggio

The International Union of Geological Sciences (IUGS) Initiative on Forensic Geology (IFG), will hold its inaugural meeting in Rome, from 18th-20th September 2011. Following the IUGS Forensic Geology meetings, invited speakers will give a series of presentations/seminars and 'training' at Roma Tre University, on 20<sup>th</sup> September. The seminar is organised in cooperation with the Faculty of Science of Roma Tre University and will be held in the Department of Biology, Room 4, Viale Marconi, 446 Rome. These will include a mixture of presentations on 'geological (trace) evidence' and 'search'. The following list is a draft, aimed at developing a programme for the presentations at Roma Tre University. This is a working draft which may evolve and develop.

Name of Speaker	Title	Time (mins)
<b>Part A: Introductions</b>		
Settimio Mobilio	Welcome speech <i>Dean of the Faculty of Science - Roma Tre University</i>	5
Rosa Maria Di Maggio	Introduction <i>Direzione Centrale Anticrimine, Servizio Polizia Scientifica, Roma</i>	5
<b>Part B: Geological (trace) Evidence</b>		
Jodi Webb	Forensic Geology at the FBI <i>FBI</i>	20
Skip Palenik	Microscopic Trace Evidence: The Overlooked Clue <i>Microtrace</i>	20
Bill Schneck	Anthropogenic/Man-made Materials in Soil <i>Microvision Northwest - Forensic Consulting</i>	20
Duncan Pirrie	Application of Automated SEM-EDS in Forensic Geoscience <i>Helford Geoscience</i>	20
<b>Part C: Search</b>		
Laurance Donnelly	Geoforensic Search Strategy for Graves and Burials <i>Chair, IUGS IFG &amp; Wardell Armstrong</i>	20
Mark Harrison	Applying Geoforensic Search Principles in Criminal Investigation "A Police Perspective" <i>Australian Federal Police</i>	20
Marianne Stam	The Value of Diatoms and Botanical Evidence in a Police Brutality Case <i>California Department of Justice</i>	20
<b>Part D: Global Developments in Forensic Geology</b>		
Elena Pettinelli.	GPR Research Activities at University of Roma Tre: Implication for Forensic Applications <i>Roma Tre University</i>	20
Rob Fitzpatrick	Forensic Geology Examinations Using Advanced Laboratory Source and Synchrotron XRD Techniques <i>CSIRO, Australia</i>	20
Lorna Dawson	Organic Signatures in Soils in the Context of Intelligence and Evidence	20

**Chair**  
**Dr Laurance Donnelly**  
Wardell Armstrong  
2 The Avenue  
Leigh,  
Greater Manchester, WN7 1ES  
United Kingdom  
T: +44 (0)7970 038 236  
E: ldonnelly@wardell-armstrong.com

**Vice Chair**  
**Dr Rob Fitzpatrick**  
CSIRO Land and Water  
Private Bag No. 2,  
Glen Osmond, South Australia,  
Australia, 5064.  
T. +61-8-8303 8511  
E: rob.fitzpatrick@csiro.au

**Treasurer**  
**Dr Duncan Pirrie**  
Helford Geoscience LLP  
Menallack Farm  
Treverva, Penryn  
Cornwall, TR10 9BP  
United Kingdom  
T: 07721 656 028  
E: dpirrie@helfordgeoscience.co.uk

**Secretary**  
**Ms Marianne Stam**  
California Department of Justice,  
Riverside  
California  
USA  
E: marianne.stam@doj.ca.gov

International Union of Geological Sciences (IUGS)  
Initiative on Forensic Geology (IFG)

	<i>James Hutton Institute</i>	
Laurance Donnelly	The Global Renaissance in Forensic Geology & IUGS Initiative <i>Chair, IUGS IFG &amp; Wardell Armstrong</i>	10
<b>Part E: Summary and Close</b>		
Rosa Maria Di Maggio	Close <i>Direzione Centrale Anticrimine, Servizio Polizia Scientifica, Roma</i>	5

**Chair**

**Dr Laurance Donnelly**

Wardell Armstrong  
2 The Avenue  
Leigh,  
Greater Manchester, WN7 1ES  
United Kingdom  
T: +44 (0)7970 038 236  
E: [ldonnelly@wardell-armstrong.com](mailto:ldonnelly@wardell-armstrong.com)

**Vice Chair**

**Dr Rob Fitzpatrick**

CSIRO Land and Water  
Private Bag No. 2,  
Glen Osmond, South Australia,  
Australia, 5064.  
T. +61-8-8303 8511  
E: [rob.fitzpatrick@csiro.au](mailto:rob.fitzpatrick@csiro.au)

**Treasurer**

**Dr Duncan Pirrie**

Helford Geoscience LLP  
Menallack Farm  
Treverva, Penryn  
Cornwall, TR10 9BP  
United Kingdom  
T: 07721 656 028  
E: [dpirrie@helfordgeoscience.co.uk](mailto:dpirrie@helfordgeoscience.co.uk)

**Secretary**

**Ms Marianne Stam**

California Department of Justice,  
Riverside  
California  
USA  
E: [marianne.stam@doj.ca.gov](mailto:marianne.stam@doj.ca.gov)