

Resume – Dr Alastair Ruffell

School of Geography, Archaeology & Palaeoecology, Queen's University (QUB), Belfast, BT7 1NN, N.Ireland.

QUALIFICATIONS & CAREER

Currently Reader in Physical Geography and Director of Education. Elected Fellow of the Geological Society of London (2001); Ph.D (Birmingham University) 1989; B.Sc (1st Class, University College London) 1985. Queen's Career: 2001-2009 Senior Lecturer; 2000-2001 Lecturer in Geography; 1990-2000 Lecturer in Geology; 1989 – 1990. Postdoctoral Research Fellow, Imperial College London; 1985-1986 Geophysicist, RTZ Oil & Gas.

RESEARCH OUTPUTS

Published 106 papers, 5 chapters, 2 books with 55 as lead/first author.

RESEARCH ACTIVITY

Pure research centres on the non-destructive assessment of geological materials for: underwater imaging; assessment of weathered historic structures; mineral analysis. Applied research is consultancy-driven for criminal (57 cases), environmental (20 cases), geotechnical (27 cases) humanitarian (4 cases) and historical/archaeological (5 cases).

RESEARCH SUPERVISION

First supervisor to 11 completed PhDs and co-supervisor to 14 others. Two currently funded Research Assistants.

RESEARCH GRANTS

- INTERREG (£5.1 million) Tellus 2 Airborne Geophysical Survey of the Irish Border. Collaborative with Geological Survey of N.Ireland, Geological Survey of Ireland and Dundalk Institute. £225,000 to QUB.
- European Space Agency (€800,000) Remote Sensing for Detection of Buried Toxic Waste, collaborative with ERA-MAPTECH, November 2008. 12.5% to QUB.
- Fondation MAIF (€310, 742, 10% to QUB) Evolution Climatique, Risques Engendres, et Impact sur la Societe.
- Knowledge Transfer Partnership Queens/Collins Engineering (£86,000). Underwater mapping for engineering purposes. July 2009 100% QUB.
- Knowledge Transfer Partnership Queens/ConSarc (£150,000). Assessment of Historic Stone Structures. July 2008 100% QUB.
- Canadian Department of Foreign Affairs and International Trade Program Development Grant. (Can\$7,000) 'Mineral prospecting, financial speculation and grounds for belief'. 100% QUB
- British Institute for Persian Studies, Travel Grant (£1200). Collaborator Dr Ephraim Nishad (Tehran University). 100% QUB
- Royal Society Conference Fund (£1700 + £1200) to attend Geological Society of America (Forensic Session, 2007 – Denver; Forensic Session, 2006 Philadelphia). 100% QUB, no collaborators
- Previous to 2006 I obtained EPSRC funding (2002), was part of a SPUR 2 £6.1 million grant (radiocarbon facility)

OTHER INFORMATION

External Examiner (undergraduate) at University College Cork; PhD External Examiner at: Keele (twice); Oxford (Hertford College); Stirling; University College Wales, Aberystwyth; University of Paris (IV); University of Lille; University of Mons; University of the Western Cape (three dissertations). Vice-Chair of the specialist group Forensic Geoscience Group, for which I advise the Home Office Forensic Science Regulator. Member of the Geological Survey of N.Ireland steering group. Recent invited talks include: November 2010 'Third International Conference on Soil Forensics, Long Beach, California; October 2010 'Environmental Geoscience' INTERPOL, Lyons; August 2010 'Geologie Criminologique' Universite Paris IV; July 2009 'Geology & Forensics' (co-authored with Dr L. Donnelly) at Serious Crime Conference (Jill Dando Institute, UCL); April 2009 invited co-presenter of four lectures at the First Ibero-American Conference on Forensic Geology (Bogota, Colombia). Previous to 2009, over 60 conference presentations worldwide