



ENVIRONMENTAL GEOTECHNICS LTD

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PROFESSOR STEPHAN JEFFERIS

SPECIALTY/SKILLS:

Specialty geotechnical processes, impact of chemical and microbiological process in the ground on geotechnical engineering, researcher

GEOGRAPHIC BASE: Oxfordshire, UK

TYPE OF COMPANY: Limited Liability

RESUMÉ

PROFESSOR STEPHAN JEFFERIS

EDUCATION

MA, MEng in Natural Sciences & Chemical Engineering, St John's College, University of Cambridge
PhD in Soil Mechanics, King's College, University of London
MSc Construction Law and Arbitration King's College, University of London

PROFESSIONAL QUALIFICATIONS

Chartered Civil Engineer (UK)
Fellow, Institution of Civil Engineers (UK)
Chartered Geologist
Fellow of the Geological Society of London
Chartered Environmentalist
Member of the Society for the Environment

PROFESSIONAL SOCIETIES

Member of:
The British Geotechnical Society, The British Tunnelling Society, The Concrete Society, The United Kingdom Environmental Law Association, The International Association of Geochemistry and Cosmochemistry, The International Society of Environmental Forensics, The British Nuclear Engineering Society, The Society of Chemical Industry, The British Society of Rheology, La Société des Ingenieurs et Scientifiques de France, l'Association Francaise des tunnels at de l'espace souterrain.

PROFESSIONAL COMMITTEES Construction Industry Research and Information Association (CIRIA), Member of the Ground Advisory Panel
International Society Soil Mechanics and Geotechnical Engineering Member of Technical Committee TC215, Geoenvironmental engineering
UK Pipe Jacking Association, Pipe Jacking and Tunnelling Research Group, Chairman

PRINCIPAL PROFESSIONAL EXPERIENCE AND BACKGROUND Regularly presented Keynote lectures at geotechnical, geoenvironmental and grouting conferences.

Current

2003 to date University of Oxford
Visiting Professor in Engineering Science supervising research on polymer slurry systems

2001 to date Geotechnical Consulting Group Ltd
Associate

2000 to date Environmental Geotechnics Ltd
Director

Former

2000 to 2009 University of Surrey, School of Engineering
Professor in Civil Engineering & sometime Director of the Centre for Engineering Sustainable Development (including the Centres for Environmental Strategy, Environmental Health Engineering and Geoenvironmental Engineering), now emeritus professor.

2001 to 2008 Cybersense Biosystems Ltd, Bio-sensors for industrial pollution monitoring
Director and Chairman of the Board

2000 to 2007 University of Surrey Environment Body
Director

2002 to 2007 Environmental Services Association Research Trust (ESART)
Member of the board

2002 to 2006 University of Wales, Cardiff
Advisor to the Geotechnical Research Park and the Wales Waste & Resources Research Centre

2001 to 2007 Forum for Waste and Resources Research and Development Ltd (FORWARD), A forum to identify synergies and promote research in sustainable waste management
Chairman

1998 to 2000 GLS Ltd, Contaminated land remediation contractors
Director

1992 to 2000 Golder Associates, Consulting Engineers and Scientists
Associate

1995 to 2000 Imperial College, University of London
Visiting Professor in the Department of Civil Engineering and Environmental Engineering

1988 to 1991 Queen Mary and Westfield College
Reader in Geotechnical Processes

1981 to 1989 WJ Engineering Resources Ltd, Groundwater Control Contractors

1971 to 1988 *Founding director*
King's College London
Lecturer then reader in Civil Engineering teaching: materials & concrete technology, geotechnics, fluid mechanics and public health engineering

PUBLICATIONS: Over 100.

Professor Jefferis' experience is focused on the investigation and resolution of unusual materials and environmental problems typically associated with natural chemical and microbiological processes in the ground. He has worked extensively and internationally on the performance of materials in complex and aggressive environments; applications of bentonite, bentonite-cement and polymer slurries in piling, diaphragm walling, tunnelling and cut-off walls; use of chemical and cementitious grouts for ground improvement and radioactive and toxic waste solidification; the development of in-ground technologies for control of contaminant migration, passive barriers and permeable reactive barriers; clean-up of chemical and nuclear waste legacies; risk assessment and risk perception in relation to geo-environmental issues.