

# Modern Geophysics in Engineering Geology

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# **Modern Geophysics in Engineering Geology**

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# Contents

Preface	vii
Acknowledgements	viii
<b>Section 1: Introduction</b>	
D. M. McCANN, M. G. CULSHAW & P. J. FENNING: Setting the standard for geophysical surveys in site investigation	3
<b>Section 2: Standards and practice</b>	
R. D. BARKER: Electrical imaging and its application in engineering investigations	37
D. BEAMISH, D. CLASEN, P. G. GREENWOOD & R. J. PEART: Novel regularized inversion of VLF(R) data and coincident radar sections over a probable fault affecting Carboniferous sedimentary rocks in the Saar region, Germany	45
V. CUÉLLAR: Geotechnical applications of the spectral analysis of surface waves	53
R. A. VAN OVERMEEREN: Imaging groundwater 'steps' in push moraines by georadar	63
A. ROUSSEAU & D. JEANTET: Some improvements in the processing of borehole acoustic signals for the characterization of geological structures	75
S. NARAYAN & M. B. DUSSEAUULT: Resistivity ( $\Omega$ -method) method for environmental monitoring: a new approach	89
A. P. BUTCHER & W. S. A. TAM: The use of Rayleigh waves to detect the depth of shallow landfill	97
J. D. MCNEILL: The application of electromagnetic techniques to environmental geophysical surveys	103
M. C. MATTHEWS, V. S. HOPE & C. R. I. CLAYTON: The geotechnical value of ground stiffness determined using seismic methods	113
P. J. FENNING & B. S. WILLIAMS: Multicomponent geophysical surveys over completed landfill sites	125
<b>Section 3: Site investigation</b>	
S. J. CARTMELL, P. J. CONN & T. D. PUGH: An example of the use of crosshole tomography in dam wall foundation studies	141
I. BISHOP, P. STYLES, S. J. EMSLEY & N. S. FERGUSON: The detection of cavities using the microgravity technique: case histories from mining and karstic environments	153
L. CORIN, I. COUCHARD, B. DETHY, L. HALLEUX, A. MONJOIE, T. RICHTER, & J. P. WAUTERS: Radar tomography applied to foundation design in a karstic environment	167
D. DEMANET & D. JONGMANS: Seismic tomography survey under the La Gileppe Dam	175
S. J. EMSLEY & I. BISHOP: Application of the micro-gravity technique to cavity location in investigations for major civil engineering works	183
L. CABASSUT, M. BOURGET, M. FRAPPA, M. AL HEIB, C. VIGUIER & J. F. GUÉRIN: Contribution of electrical and acoustic methods in the evaluation of the condition of accessible underground pipework and its environment	193
C. L. ROBERTS & S. G. LEWIS: Resistivity sounding: two case studies from the Cretaceous Chalk at Boxgrove, West Sussex and Barnham, Suffolk, UK	201
P. J. BRABHAM & R. J. McDONALD: The potential of on-shore high-resolution shallow seismic techniques when applied to coastal site investigation	211
C. COVIL & J. W. C. JAMES: The use of geophysics in the design and construction of the new airport at Chek Lap Kok, Hong Kong	223
J. RIGBY-JONES, M. C. MATTHEWS & P. W. MCDOWELL: Electrical resistivity imaging systems for ground investigations, with particular reference to dissolution features in Chalk areas	235
P. D. JACKSON & D. M. McCANN: Cross-hole seismic tomography for engineering site investigation	247

**Section 4: Rock mass assessment**

- F. L. PAILLET & R. H. MORIN: Hydraulic tomography in fractured bedrock aquifers using high-resolution borehole flowmeter measurements 267
- J. P. BUSBY & R. J. PEART: Azimuthal resistivity and seismic measurements for the determination of fracture orientations 273
- G. W. WON & R. W. J. RAPER: Downhole geophysical investigations for a proposed deep highway cutting adjacent to a rail tunnel at Murrurundi, NSW, Australia 283
- B. T. A. J. DEGEN, J. HERBSCHLEB & P. M. MAURENBRECHER: Shallow over-water seismic reflection surveys for determining inland waterways sediment distribution in The Netherlands 293
- A. P. GUNNING, R. A. PEARSON & S. J. EMSLEY: The acquisition of geophysical wireline logging data as part of the UK Nirex Ltd investigations of a potential radioactive waste repository at Sellafield, Cumbria 299
- S. L. SHEDLOCK: Integrated study of fracture systems in southern Zimbabwe 307
- P. STYLES, I. BISHOP & S. TOON: Surface and borehole microseismic monitoring of mining-induced seismicity 315
- J. C. R. ARTHUR, G. PHILLIPS & C. R. MCCORMICK: High-definition seismic for Channel Tunnel marine route 327
- M. G. NORTON, J. C. R. ARTHUR & K. J. DYER: Geophysical survey planning for the Dounreay and Sellafield geological investigations 335

**Section 5: Laboratory studies**

- I. R. MCDERMOTT: The use of shear wave transmission as a non-destructive tool to assess the soft soil stiffness in dredging applications 347
- K. MIDTØMME, E. ROALDSET & P. AAGAARD: Thermal conductivities of argillaceous sediments 355
- M. A. GORDON & C. R. I. CLAYTON: Measurement of stiffness of soils using small strain triaxial testing and bender elements 365
- S. GUILLAUME, J. DU MOUZA, & J. BRULHET: The use of ultrasonics to monitor long-term creep tests of salt rock samples 373

**Section 6: Advances in the seismic refraction method**

- I. E. STEWART, J. R. WILLIAMS, & C. S. WALKER: Seismic refraction in relation to geotechnical information for (road) construction contracts 383
- C. S. WALKER & M. A. WIN: A new standard in the practice of engineering seismic refraction 391
- T. M. LEUNG, M. A. WIN, C. S. WALKER & R. J. WHITELEY: A flexible algorithm for seismic refraction interpretation using program REFRACT 399
- C. HORRENT, S. BROUYÈRE, D. DEMANET, T. MICHIELS & D. JONGMANS: Seismic refraction survey in Bernburg, Germany: an application of the generalized reciprocal and phantoming methods 407
- T. M. LEUNG: Evaluation of seismic refraction interpretation using first arrival raytracing 413

**Section 7: Summary and conclusions**

- A. P. ANNAN: Engineering and environmental geophysics: the future 419
- M. EDDLESTON, D. M. MCCANN, J. C. CRIPPS & P. JOHNSON: Modern geophysics in engineering geology: an overview 427

## **Preface**

This book is based on papers presented to the 30th Annual Conference of the Engineering Group of The Geological Society which was held at the University of Liege between 12 and 15 September 1994. The theme of the Conference was 'Modern Geophysics in Engineering Geology' and covered the whole spectrum of the application of geophysical methods to engineering and environmental geology.

The conference took place over a four-day period with plenary sessions covering topics on site investigation, rock mass assessment, routes,, pollution, and urban planning. A special topic on the application of the seismic refraction method in engineering studies was also included in the programme. In keeping with previous years, an introductory review is provided which surveys the main themes of the Conference in the context of the application of geophysical methods in site investigation. A concluding paper which explores the future development of engineering and environmental geophysics is also included. Field surveys form an essential part of geophysical investigations and most of the major manufacturers of geophysical equipment took part in a day of practical field demonstrations of current and new instruments which were on show at the Conference exhibition.

The Conference was the first one held by the Group at a venue outside the United Kingdom and its specific aim was to develop collaboration between British and European engineers and geologists working in the construction industry. The conference was well attended with a mix of academic and industrial engineering geophysicists and geologists including delegates from eighteen different countries.

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Finally, we would like to express our appreciation of the considerable support provided by the members of the Organizing Committee:

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