# Contents

Preface xi

**GRIFFITHS, J. S. & RADFORD, T.** An introduction to earthworks in Europe 1

**LAMONT, D.** Revision of BS 6031: Code of practice for earthworks 5

**HARRIS, A. J. & BOND, A. J.** Stability of earthworks to Eurocode 7 9

**PERRY, J.** Geotechnical risk and performance: with a focus on earthworks compaction and data management 21

**POWER, C. M., PATTERSON, D. A., RUDRUM, D. M. & WRIGHT, D. J.** Geotechnical asset management for the UK Highways Agency 33

**PARRY, L. N.** The identification and management of cuttings at risk from deep-seated, delayed failure on the Highways Agency network 41

**DAPENA, E. & PARRILLA, A.** Spanish technical regulation for road construction 55

**HERLE, V.** Czech standards and specification for earthworks 61

**GOMES CORREIA, A., QUIBEL, A. & WINTER, M. G.** The work of ISSMGE TC3 (Geotechnics of pavements) and how it links to earthworks 67

**RUTTY, P. C. & JOHNSTON, T. P.** Optimum use of material: selection of limits for suitable earthworks fill: Irish experience 79

**PETKOVŠEK, A. & MAJES, B.** Overconsolidated clays and flysch for embankments in Slovenia 93

**HODGSON, I. F., BEALES, S. P. & CURD, M. J.** Use of tyre bales as lightweight fill for the A421 improvements scheme near Bedford, UK 101

**KREST, F.** Use of industrial by-products in earthworks in the Czech Republic 109

**MACDONALD, G. J., VOOGHT, A. R. & PARKIN, S.** The use of deep counterfort drains as an effective method of stabilizing cuttings constructed in overconsolidated clays 115

**LAMONT-BLACK, J., HALL, J. A., GLENDINNING, S., WHITE, C. P. & JONES, C. J. F. P.** Stabilization of a railway embankment using electrokinetic geosynthetics 125

**MACDONALD, G. J., VOOGHT, A. R. & PARKIN, S.** The use of soil moisture deficit as a trigger mechanism for targeted monitoring of earthworks slopes 141
TOLL, D. G., MENDES, J., GALLIPOLI, D., GLENDINNING, S. & HUGHES, P. N. Investigating the impacts of climate change on slopes: field measurements

O’RIORDAN, N. & PHEAR, A. Measuring and mitigating the environmental impact of earthworks and other geotechnical processes

PANTELIDOU, H., NICHOLSON, D., HUGHES, L., JUKES, A. & WELLAPPILI, L. Earthworks emissions in construction of a highway

Index