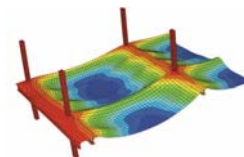


Workshop on numerical modelling in geomechanics



Friday April 24th 2009, 1.00-5.30pm

Central Square, Forth Street, Newcastle-upon-Tyne

The aim of this workshop is to showcase current research and practice in numerical geomechanics and to discuss future trends. A particular focus will be the transfer of research outputs into industry. The workshop is funded as part of a project involving Oasys Ltd, and the Universities of Strathclyde and Durham, which is transferring research findings into the commercial finite element code SAFE.

Who should attend?

Geotechnical engineers using commercial FE software for geotechnics and geomechanics, numerical modellers and research students from academia, software developers.

Programme

- 1230 *Registration and buffet lunch.*
- 1300 **Introduction**
Alison Ramage (Dept of Mathematics, University of Strathclyde).
- 1310 **Implementing iterative solvers for geotechnical FEA in Oasys SAFE**
Youliang Zhang (Oasys Ltd and University of Strathclyde).
- 1340 **Future alternatives to finite elements for geotechnical modelling**
Charles Augarde (School of Engineering, Durham University).
- 1410 **3D finite elements for geotechnics: an industry perspective**
Anton Pillai (Arup Geotechnics, London).
- 1440 *Coffee break.*
- 1510 **Developments of the BRICK model**
Sam Clarke (Sheffield University).
- 1540 **Seismic behaviour of gravity quay walls**
Mohamed Rouainia (Civil Engineering and Geosciences, Newcastle University).
- 1610 **Application of numerical analysis to the Kings Place Project**
Phil Stephenson & Mark Skinner (Arup, Newcastle).
- 1640 **Discussion session: "The future of numerical modelling in geotechnics"**
chaired by Dr Brian Simpson (Arup Geotechnics, London).
- 1730 *Close.*

The workshop is **free** but if you wish to attend please pre-register (before April 20th) by emailing charles.augarde@dur.ac.uk

In association with the Dept of Mathematics, University of Strathclyde; Oasys Ltd; the School of Engineering, Durham University; the Northern Geotechnical Group



Oasys

