Selected topics in numerical simulation of supported excavations

Determination of soil parameters for modeling of deep excavations utilizing an inverse approach

Comparison and feasibility of three dimensional finite element modelling of deep excavations using non-linear soil models

Lessons learned from case studies of excavation support systems through Chicago glacial clays

Influence of the construction procedure on the displacements of excavation walls

Finite element analysis of the excavation of the new Garibaldi station of Napoli underground

The impact of diaphragm wall construction on the serviceability of adjacent strip foundations in soft ground

A comparison between monitoring data and numerical calculation of a diaphragm wall construction in Rotterdam

Small scale model tests on fresh concrete pressure in diaphragm wall panels

Metro line U5 Berlin - deformation of diaphragm walls

Vibro stone column installation and its effect on ground improvement

On modelling vibro-compaction of dry sands

FE simulations of the installation of granular columns in soft soils

Large scale three-dimensional finite element analysis of underground construction

Iterative solution of intersecting tunnels using the generalised Jacobi preconditioner

Numerical modelling of a reinforcement process by umbrella arch

An elastic-viscoplastic model for frozen soils

Numerical and physical modeling of artificial ground freezing

Freezing of jet-grouted soil - comparison of numerical calculations and field data

FE-analysis of ground freezing for the construction of a tunnel cross connection

Ground freezing : an efficient method to control the settlements of buildings

Underground line U5 'Unter den Linden' Berlin, Germany : structural and thermal FE-calculations for ground freezing design

Numerical modelling of pile jacking, driving and vibratory driving

Bored and screwed piles, continuum and discontinuum approaches

Numerical simulation of construction-induced stresses around rammed aggregate piers

Numerical modelling of the case history of a piled raft with a viscohypoplastic model

Failure of a micro-pile wall during remodelling of a hotel : a backanalysis

Incorporation of meta-stable structure into hypoplasticity

Numerical simulation of consolidation and deformation of pulpy fine slimes due to re-contouring and covering of large uranium mill tailing ponds at Wismut

Numerical simulation of underground works and application to cut and cover construction

Effects of spatial variability of cement-treated soil on undrained bearing capacity