

3D Finite Element Model as a Tool for Analyzing the Structural Behavior of a Railway Track

Kalliainen, A., Kolisoja, P. & Nurmikolu, A., 2016, In : *Procedia Engineering*. 143, p. 820-827 8 p.

Research output: Contribution to journal > Article > Scientific > peer-review

3D finite elements modelling of percussive rock drilling: Estimation of rate of penetration based on multiple impact simulations with a commercial drill bit

Saksala, T., Fourmeau, M., Kane, P-A. & Hokka, M., 2018, In : *Computers and Geotechnics*. 99, p. 55-63 9 p.

Research output: Contribution to journal > Article > Scientific > peer-review

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Research output: Other conference contribution > Paper, poster or abstract > Professional

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Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific

Älypölkky, radan monitorointi, kreosoottipölkyn korvaavat vaihtoehdot

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Research output: Other contribution > Scientific

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Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific

Anisotropic total and effective stress stability analysis of the Perniö failure test

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A proposal for some modifications of EN 1997-1 design approaches

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Arsenic in bedrock, soil and groundwater - The first arsenic guidelines for aggregate production established in Finland

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Research output: Book/Report › Commissioned report › Professional

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Research output: Other contribution › Scientific

Betonirakenteiden korjausohjeet 2016, by 41

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Research output: Book/Report › Book › Professional

Betonisten ratapölkkyjen väsytkuormituskokeet

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Research output: Contribution to journal › Article › Scientific › peer-review

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Research output: Other conference contribution › Paper, poster or abstract › Scientific

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Commercialising reclaimed materials in earthworks – guidelines for productization and the process of appending these materials in the Finnish national code of practice

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Comparison of community managed projects and conventional approaches in rural water supply of Ethiopia

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Condition-Based Track Maintenance and Rehabilitation Design Using Combined Data Analysis

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Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

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Research output: Contribution to journal > Article > Scientific > peer-review

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Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

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Research output: Contribution to journal > Editorial > Scientific

Effects of Lime Stabilization on Hydraulic Behavior of Finnish Soft Sensitive Clays: Towards a Sustainable Geoenvironment

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Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

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Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

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Research output: Contribution to journal > Review Article > Scientific > peer-review

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Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

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Research output: Contribution to journal > Review Article > Scientific > peer-review

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Research output: Book/Report > Doctoral thesis > Monograph

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Research output: Contribution to journal > Review Article > Scientific

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Research output: Other conference contribution > Paper, poster or abstract > Scientific

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Research output: Contribution to journal > Article > Scientific > peer-review

Kapillaaristen vedenimuominaisuuksien määrittämiseen sopivan vapaan vedenimukoelaitteiston kehittäminen

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Research output: Book/Report > Commissioned report > Professional

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Research output: Book/Report > Commissioned report > Professional

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Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific

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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Professional

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Research output: Contribution to journal › Article › Scientific › peer-review

Mechanical properties of recovered municipal solid waste incineration bottom ash: the influence of aging and changes in moisture content

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Research output: Contribution to journal › Article › Scientific › peer-review

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Research output: Contribution to journal › Article › Scientific › peer-review

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Research output: Contribution to journal › Article › Scientific › peer-review

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Research output: Other contribution › Scientific

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Numerical modeling of rock failure under dynamic loading with polygonal elements

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Numerical modelling of fracture processes in thermal shock weakened rock

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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Numerical modelling of rock fracture with a Hoek-Brown viscoplastic-damage model implemented with polygonal finite elements

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Research output: Contribution to journal › Article › Scientific › peer-review

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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Preliminary results from a study aiming to improve ground investigation data

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Problems related to field vane testing in soft soil conditions and improved reliability of measurements using an innovative field vane device

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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

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Research output: Contribution to journal › Article › Scientific › peer-review

Reply to the discussion by Mesri and Wang on "Correlations for undrained shear strength of Finnish soft clays"

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Selvitys UUMA-materiaalien teknisen kelpoisuuden arviointiin liittyvistä testausstandardeista ja -menetelmistä (1. vaihe), 29.12.2014

Kuula, P., Kolisoja, P., Sjöberg, M., Ketola, T., Koivisto, K., Forsman, J., Dettenborn, T. & Jyvää, H., 2015, Ramboll. (UUMA 2, Uusiomateriaalit maarakentamisessa ohjelma 2013-2015)

Research output: Book/Report › Commissioned report › Professional

Shear bands in soft clays: strain-softening behavior in finite element method

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Research output: Contribution to journal › Article › Scientific › peer-review

Sleepers

Luomala, H., 24 Nov 2016

Research output: Other contribution › Scientific

Spatial variability of reed bed spectra in Olkiluoto Island

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Stiffmaster - A continuous track stiffness measurement device

Luomala, H., Peltokangas, O. & Nurmikolu, A., 2014, *GEORAIL 2014 : 2nd International symposium - Railway geotechnical engineering, 6-7 November 2014, France*. IFSTTAR, p. 109-118 10 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Strength increase below an old test embankment in Finland

D'Ignazio, M. & Länsivaara, T., May 2016, *The 17th Nordic Geotechnical Meeting: Conference proceedings*. Reykjavik: Icelandic Geotechnical Society, p. 357-366

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Stress-strain hysteresis shape estimation of different soils using deformation-history integral (DHI) model

Vatanshenas, A., Mori, T., Farhadi, M. S. & Länsivaara, T., 10 Jul 2020, In : *MATERIALS PHYSICS AND MECHANICS*. 44, 2, p. 221-228 8 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Temporal variation in indoor transfer of dirt-associated environmental bacteria in agricultural and urban areas

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Research output: Contribution to journal › Article › Scientific › peer-review

Teräsrumpujen uudet korjausmenetelmät: Halkaistu sisäputki, puolipohjaus ja pohjan betonointi

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Research output: Book/Report › Book › Professional

Test in scala reale su argille sensibili: l'esperienza finlandese

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

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Research output: Other conference contribution › Paper, poster or abstract › Scientific

The effects of improved energy efficiency on indoor environmental quality in multi-family buildings

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