

A High-resolution Coupled Permafrost - Ice Sheet Model

Zwinger, T., Hartikainen, J. & Cohen, D., 19 Jun 2018, p. 123. 1 p.

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

Tierakenteen rasittuminen yli 76 tonnin HCT-yhdistelmien koekuormituksissa vuosina 2015 - 2017: Liikenneviraston tutkimuksia ja selvityksiä 63/2018

Vuorimies, N., Kalliainen, A., Rossi, J., Kolisoja, P., Varin, P. & Saarenketo, T., Dec 2018, Liikennevirasto. 115 p.

Research output: Book/Report > Book > Scientific

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

Laastien vedenimukertoimen määrittämisen virhelähdekoeket

Tuominen, E. & Vinha, J., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 239-244 6 p.

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

Kapillaaristen vedenimuominaisuuksien määrittämiseen sopivan vapaan vedenimukoelaitteiston kehittäminen

Tuominen, E. & Vinha, J., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 233-238 6 p.

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

Spatial variability of reed bed spectra in Olkiluoto Island

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Determination of remoulding energy of sensitive clays

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

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Combining mineral fractions of recovered MSWI bottom ash: improvement for utilization in civil engineering structures

Sormunen, L. A., Kalliainen, A., Kolisoja, P. & Rantsi, R., 22 Aug 2016, In : Waste and Biomass Valorization. 12 p.

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

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Sormunen, L. A. & Kolisoja, P., 2018, In : Road Materials and Pavement Design . 19, 2, p. 252-270

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

Identifying criteria for environmental risk assessment models at different stage-gates of nano-material/product innovation considering requirements of various stakeholders (TH083)

Sørensen, S. N., Hansen, S. F., Baun, A., Spurgeon, D., Matzke, M., Schirmer, K., Burkard, M., Dal Maso, M., Poikkimäki, M., Verschoor, A., Quik, J., Peijnenburg, W., Wigger, H. & Nowack, B., 17 May 2018.

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

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

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

Selänpää, J., Buò, B. D., Länsivaara, T. & D'Ignazio, M., 2017, *Landslides in Sensitive Clays: From Research to Implementation*. Springer, p. 121-131 11 p. (Advances in Natural and Technological Hazards Research; vol. 46).

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

Evaluation of existing CPTu-based correlations for the undrained shear strength of soft Finnish clays

Selänpää, J., Di Buo, B., Haikola, M., Länsivaara, T. & D'Ignazio, M., 2018, *Cone Penetration Testing 2018: Proceedings of the 4th International Symposium on Cone Penetration Testing (CPT'18)*. CRC Press, p. 571-577 7 p.

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

Numerical 3D modelling of the effects of strain rate and confining pressure on the compressive behavior of Kuru granite

Saksala, T., Hokka, M. & Kuokkala, V-T., 2017, In : *Computers and Geotechnics*. 88, p. 1-8 8 p.

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

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

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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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Research output: Other contribution › Scientific

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Research output: Other contribution › Scientific

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Research output: Other contribution › Scientific

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Research output: Book/Report › Commissioned report › Professional

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

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

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Research output: Contribution to journal › Review Article › Scientific

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

Vertical profiles of lung deposited surface area concentration of particulate matter measured with a drone in an urban street canyon

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

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

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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: 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 > Professional

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Research output: Book/Report > Book > Professional

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

Variation of CPTu-based transformation models for undrained shear strength of Finnish clays

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

Deterioration mechanisms and life cycle of concrete monoblock railway sleepers in Finnish conditions

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Vesihuollon strateginen kehittäminen haltuun: Ydin- ja tukitoiminnon tarpeen hahmottaa selkeästi

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Research output: Contribution to journal › Article › Professional

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

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Research output: Contribution to journal › Article › Professional

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

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Artificial neural networks models for rate of penetration prediction in rock drilling

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

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

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

Effects of sample disturbance in the determination of soil parameters for advanced finite element modelling of sensitive clays

D'Ignazio, M., Jostad, H. P., Länsivaara, T., Lehtonen, V., Mansikkamäki, J. & Meehan, C., 2017, *Landslides in Sensitive Clays: From Research to Implementation*. Springer, p. 146-154 9 p. (Advances in Natural and Technological Hazards Research; vol. 46).
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

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

D'Ignazio, M., Mansikkamäki, J. & Länsivaara, T., 2014, *Numerical Methods in Geotechnical Engineering : Proceedings of the 8th European Conference on Numerical Methods in Geotechnical Engineering NUMGE2014, Delft, The Netherlands, 18-20 June 2014*. Hicks, M. A. , Brinkgreve, R. B. . J. . & Rohe, A. (eds.). CRC Press Taylor & Francis Group; A Balkema book, p. 609-614 6 p.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

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

D'Ignazio, M. & Länsivaara, T., 2015, In : *Rakenteiden mekaniikka*. 48, 1, p. 83-98 16 p.
Research output: Contribution to journal > Article > 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

Correlations for undrained shear strength of Finnish soft clays

D'Ignazio, M., Phoon, K. K., Tan, S. A. & Länsivaara, T., 2016, In : *Canadian Geotechnical Journal*. 53, 10, p. 1628-1645
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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D'Ignazio, M., May 2015, *5 IAGIG, Incontro Annuale dei Giovani Ingegneri Geotecnici*. Rome
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Professional

Undrained shear strength of Finnish clays for stability analyses of embankments

D'Ignazio, M., 21 Sep 2016, Tampere University of Technology. 178 p. (Tampere University of Technology. Publication; vol. 1412)
Research output: Book/Report > Doctoral thesis > Monograph

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

D'Ignazio, M., Phoon, K-K., Tan, S. A., Länsivaara, T. & Lacasse, S., 2017, In : Canadian Geotechnical Journal. 5 p.

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

Estimation of preconsolidation stress of clays from piezocone by means of high-quality calibration data

D'Ignazio, M., Lunne, T., Andersen, K. H., Yang, S., Di Buo, B. & Länsivaara, T., 8 May 2019, In : AIMS Geosciences. 5, 2, p. 104-116 13 p.

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

Investigation and geotechnical characterization of Perniö clay, Finland

Di Buo, B., D'Ignazio, M., Selänpää, J., Haikola, M., Länsivaara, T. & Di Sante, M., 5 Aug 2019, In : AIMS Geosciences. 5, 3, p. 591-616

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

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Di Buo, B., D'Ignazio, M., Selänpää, J. & Länsivaara, T., May 2016, *Proceedings of the 17th Nordic Geotechnical Meeting: Challenges in Nordic Geotechnic 25th-28th of May*. Reykjavik: Icelandic Geotechnical Society, p. 187-197 11 p.

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

Evaluation of sample quality from different sampling methods in Finnish soft sensitive clays

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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

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

Behailu, B. M., Suominen, A., Katko, T. S., Mattila, H. & Yayehyirad, G., 30 Sep 2016, In : African Journal of Environmental Science and Technology. 10, 9, p. 292-306 15 p., 04AF23059936.

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