

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

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

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Evaluation of the Preconsolidation Stress and Deformation Characteristics of Finnish Clays based on Piezocone Testing

Di Buo, B., 13 Mar 2020, Tampere University. 186 p. (Tampere University Dissertations; vol. 222)

Research output: Book/Report › Doctoral thesis › Monograph

3D numerical modelling of thermal shock assisted percussive drilling

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Koulouri, A., Smith, N. D., Vani, B. C., Rimpiläinen, V., Astin, I. & Forte, B., 2020, In : JOURNAL OF GEODESY. 94, 20 p., 22.

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Sekki, P., Karvinen, T. & Vinha, J., 2020, In : Journal of Building Physics. 26 p.

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

Numerical modeling of the tool-rock penetration process using FEM coupled with SPH technique

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

Knuuti, M. & Lämsävaara, T., 2 Oct 2019, In : *Georisk*. 13, 4, p. 262-270 9 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

Hui, N., Parajuli, A., Puhakka, R., Grönroos, M., Roslund, M. I., Vari, H. K., Selonen, V. A. O., Yan, G., Siter, N., Nurminen, N., Oikarinen, S., Laitinen, O., Rajaniemi, J., Hyöty, H. & Sinkkonen, A., 7 Aug 2019, In : *Environment International*. 132, November 2019, 9 p., 105069.

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

Vesihuolto yhdyskuntien ympäristön turvaajana: uskomuksia ja todellisuuksia

Translated title of the contribution: : Water services safeguarding our environment: beliefs and realities

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Vertical profiles of lung deposited surface area (LDSA) concentration measured with a drone in an urban street canyon (MP-17)

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

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Translated title of the contribution: : Water services to be developed strategically: Recognizing the core and non-core activities of water services

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

Laastin ja betonin lämmönjohtavuuden ja ominaislämpökapasiteetin määrittäminen lämpövirtalevyllä

Ruuska, T. & 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. 227-232 6 p.

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

Betonisten ratapölkkyjen väsytestit

Translated title of the contribution: : Fatigue loading tests of concrete railway sleepers

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

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

Translated title of the contribution: : Full-scale failure test on sensitive clays: the Finnish experience

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

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

Lämsivaara, T. & Knuuti, M., 2015, *Fifth International Symposium on Geotechnical Safety and Risk (ISGSR): Rotterdam, The Netherlands 13-16 October 2015*. IOS Press, p. 486-491 6 p.

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

Kiviaines- ja luonnonkiviteollisuuden kehitysnäkymät

Loukola-Ruskeeniemi, K. (ed.), Lonka, H. (ed.), Ehrukainen, E., Gustafsson, J., Honkanen, M., Härmä, P., Jauhiainen, P., Kuula, P., Nenonen, K., Pellinen, T., Rintala, J., Selonen, O., Martikainen, M. & Aalto, M., 2015, Helsinki: Työ- ja elinkeinoministeriö. 72 p. (Työ- ja elinkeinoministeriön julkaisuja; vol. 2015, no. 54)

Research output: Book/Report › Commissioned report › Professional

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Translated title of the contribution: : Convective heat transfer in railway embankment

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Research output: Book/Report › Commissioned report › Professional

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Translated title of the contribution: : 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. & Jyväkä, H., 2015, Ramboll. (UUMA 2, Uusiomateriaalit maarakentamisessa ohjelma 2013-2015)

Research output: Book/Report › Commissioned report › Professional

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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

Varmuuden kohdentaminen geotekniikassa, miten Eurokoodeja voisi kehittää?

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

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

ASROCKS-Hankkeen heikkouuttomenetelmien vertailu

Translated title of the contribution: : ASROCKS-Hankkeen heikkouuttomenetelmien vertailu

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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

Kiviainesten otto arseenialueilla - opas kiviainesten tuottajille, maarakentajille ja viranomaisille.

Translated title of the contribution: : Kiviainesten otto arseenialueilla - opas kiviainesten tuottajille, maarakentajille ja viranomaisille.

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