

Vatanshenas A, Mori T, Farhadi MS, Länsivaara T. **Stress-strain hysteresis shape estimation of different soils using deformation-history integral (DHI) model.** MATERIALS PHYSICS AND MECHANICS. 2020 Jul 10;44(2):221-228. [https://doi.org/10.18720/MPM.4422020\\_6](https://doi.org/10.18720/MPM.4422020_6)

Di Buo B. **Evaluation of the Preconsolidation Stress and Deformation Characteristics of Finnish Clays based on Piezocone Testing.** Tampere University, 2020. 186 p. (Tampere University Dissertations).

Saksala T. **3D numerical modelling of thermal shock assisted percussive drilling.** Computers and Geotechnics. 2020;128. 103849. <https://doi.org/10.1016/j.compgeo.2020.103849>

Saksala T. **Demolition of concrete by thermal shock spallation: a mesoscopic numerical study based on embedded discontinuity finite elements.** INTERNATIONAL JOURNAL OF FRACTURE. 2020. <https://doi.org/10.1007/s10704-020-00474-y>

Di Sante M, Di Buò B, Fratolocchi E, Länsivaara T. **Lime treatment of a soft sensitive clay: A sustainable reuse option.** Geosciences. 2020;10(5). 182. <https://doi.org/10.3390/geosciences10050182>

Koulouri A, Smith ND, Vani BC, Rimpiläinen V, Astin I, Forte B. **Methodology to estimate ionospheric scintillation risk maps and their contribution to position dilution of precision on the ground.** JOURNAL OF GEODESY. 2020;94. 22. <https://doi.org/10.1007/s00190-020-01344-0>

Sekki P, Karvinen T, Vinha J. **Moisture behavior of external insulated precast concrete wall panels.** Journal of Building Physics. 2020. <https://doi.org/10.1177/1744259120925850>

Mardalizad A, Saksala T, Manes A, Giglio M. **Numerical modeling of the tool-rock penetration process using FEM coupled with SPH technique.** JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING. 2020;189. 107008. <https://doi.org/10.1016/j.petrol.2020.107008>

Saksala T. **Numerical modelling of pore-fluid-enhanced thermal spallation in granitic rock.** Rakenteiden mekaniikka. 2020;53(2):100-109. <https://doi.org/10.23998/rm.77645>

Pressacco M, Saksala T. **Numerical modelling of thermal drilling of rock by heating-cooling cycle.** In Rock Mechanics for Natural Resources and Infrastructure Development - Full Papers: Proceedings of the 14th International Congress on Rock Mechanics and Rock Engineering (ISRM 2019), September 13-18, 2019, Foz do Iguassu, Brazil. CRC Press. 2020. p. 2547-2553. (Proceedings in Earth and geosciences). <https://doi.org/10.1201/9780367823177>

Saksala T. **Thermal shock assisted percussive drilling: A numerical study on the single-bit axisymmetric case.** International Journal of Rock Mechanics and Mining Sciences. 2020;132. 104365. <https://doi.org/10.1016/j.ijrmms.2020.104365>

Saksala T, Ibrahimbegovic A. **Thermal shock weakening of granite rock under dynamic loading: 3D numerical modeling based on embedded discontinuity finite elements.** International Journal of Numerical and Analytical Methods in Geomechanics. 2020;44(13):1788-1811. <https://doi.org/10.1002/nag.3107>

Knuuti M, Länsivaara T. **Variation of CPTu-based transformation models for undrained shear strength of Finnish clays.** Georisk. 2019 Oct 2;13(4):262-270. <https://doi.org/10.1080/17499518.2019.1644525>

Hui N, Parajuli A, Puhakka R, Grönroos M, Roslund MI, Vari HK et al. **Temporal variation in indoor transfer of dirt-associated environmental bacteria in agricultural and urban areas.** Environment International. 2019 Aug 7;132(November 2019). 105069. <https://doi.org/10.1016/j.envint.2019.105069>

Di Buò B, D'Ignazio M, Selänpää J, Haikola M, Länsivaara T, Di Sante M. **Investigation and geotechnical characterization of Perniö clay, Finland.** AIMS Geosciences. 2019 Aug 5;5(3):591-616. <https://doi.org/10.3934/geosci.2019.3.591>

Inha L, Katko TS, Rajala R. **Vesihuollon instituutiot vaativat taitavaa jalkapallopeleä.** Rakennustekniikka. 2019 Jun;75(3):38-40.

D'Ignazio M, Lunne T, Andersen KH, Yang S, Di Buo B, Länsivaara T. **Estimation of preconsolidation stress of clays from piezocone by means of high-quality calibration data.** AIMS Geosciences. 2019 May 8;5(2):104-116. <https://doi.org/10.3934/geosci.2019.2.104>

Katko TS, Inha L, Rajala R. **Vesihuolto yhdyskuntien ympäristön turvaajana: uskomuksia ja todellisuuksia.** Ympäristökasvatus. 2019 May;(2).

Saksala T, Jabareen M. **Numerical modeling of rock failure under dynamic loading with polygonal elements.** International Journal for Numerical and Analytical Methods in Geomechanics. 2019;43(12):2056-2074. <https://doi.org/10.1002/nag.2947>

Saksala T. **Numerical modelling of underground tunnel in rock under seismic loading with polygonal finite elements.** In Earthquake Geotechnical Engineering for Protection and Development of Environment and Constructions: Proceedings of the 7th International Conference on Earthquake Geotechnical Engineering, (ICEGE 2019), June 17-20, 2019, Rome, Italy. CRC Press. 2019. p. 4808-4814. (Proceedings in Earth and geosciences ). <https://doi.org/10.1201/9780429031274>

Saksala T. **On the Strain Rate Sensitivity of Coarse-Grained Rock: A Mesoscopic Numerical Study.** Rock Mechanics and Rock Engineering. 2019;52(9):3229–3240. <https://doi.org/10.1007/s00603-019-01772-1>

Vuorimies N, Kalliainen A, Rossi J, Kolisoja P, Varin P, Saarenketo T. **Tierakenteen rasittuminen yli 76 tonnin HCT-yhdistelmien koekuormituksissa vuosina 2015 - 2017: Liikenneviraston tutkimuksia ja selvityksiä 63/2018.** Liikennevirasto, 2018. 115 p.

Saksala T. **Numerical modelling of thermal spallation of rock.** In Proceedings of XII Argentine Congress on Computational Mechanics (MECOM2018) . 2018. p. 1567-1574. (Mecánica Computacional; 48).

Kolisoja P. **Nysse tulee - Tampere3 nimittäin.** Geofoor. 2018 Oct;(48):27-28.

Zwinger T, Hartikainen J, Cohen D. **A High-resolution Coupled Permafrost - Ice Sheet Model.** 2018. Paper presented at POLAR2018, Davos, Switzerland.

Hartikainen J, Claesson Liljedahl L, Kolisoja P, Kontula A, Kouhia R, Näslund J-O et al. **Thermal Evolution of a Holocene Arctic Environment in Western Greenland.** 2018.

Kuuluvainen H, Poikkimäki M, Järvinen A, Kuula J, Irjala M, Dal Maso M et al. **Vertical profiles of lung deposited surface area (LDSA) concentration measured with a drone in an urban street canyon (MP-17).** 2018. Paper presented at Aerosol Technology 2018, Bilbao, Spain.

Sørensen SN, Hansen SF, Baun A, Spurgeon D, Matzke M, Schirmer K et al. **Identifying criteria for environmental risk assessment models at different stage-gates of nano-material/product innovation considering requirements of various stakeholders (TH083).** 2018. Paper presented at SETAC EUROPE 28th Annual Meeting, Rome, Italy.

Pressacco M, Saksala T. **Numerical modelling of fracture processes in thermal shock weakened rock.** In Litvinenko V, editor, Geomechanics and Geodynamics of Rock Masses, Volume 1 Proceedings of the 2018 European Rock Mechanics Symposium. CRC Press. 2018. p. 883-888

Saksala T. **Numerical modelling of rock fracture with a Hoek-Brown viscoplastic-damage model implemented with polygonal finite elements.** In Litvinenko V, editor, Geomechanics and Geodynamics of Rock Masses, Volume 1: Proceedings of the 2018 European Rock Mechanics Symposium. CRC Press. 2018. p. 903-908

Kuuluvainen H, Poikkimäki M, Järvinen A, Irijala M, Dal Maso M, Niemi JV et al. **Vertical profiles of lung deposited surface area concentration of particulate matter measured with a drone in an urban street canyon.** 2018. Paper presented at 11th International Conference on Air Quality - Science and Application, Barcelona, Spain.

Saksala T, Fourmeau M, Kane P-A, Hokka M. **3D finite elements modelling of percussive rock drilling: Estimation of rate of penetration based on multiple impact simulations with a commercial drill bit.** Computers and Geotechnics. 2018;99:55-63. <https://doi.org/10.1016/j.compgeo.2018.02.006>

Di Sante M, Giorgetti F, Di Buo B, Länsivaara T, Pasqualini E. **Effects of Lime Stabilization on Hydraulic Behavior of Finnish Soft Sensitive Clays: Towards a Sustainable Geoenvironment.** In Proceedings of the 8th International Congress on Environmental Geotechnics. Vol. 1. Springer. 2018. p. 226-234 [https://doi.org/10.1007/978-981-13-2221-1\\_19](https://doi.org/10.1007/978-981-13-2221-1_19)

Selänpää J, Di Buo B, Haikola M, Länsivaara T, D'Ignazio M. **Evaluation of existing CPTu-based correlations for the undrained shear strength of soft Finnish clays.** In Cone Penetration Testing 2018: Proceedings of the 4th International Symposium on Cone Penetration Testing (CPT'18). CRC Press. 2018. p. 571-577

Di Buo B, Selänpää J, Länsivaara T, D'Ignazio M. **Evaluation of sample quality from different sampling methods in Finnish soft sensitive clays.** Canadian Geotechnical Journal. 2018. <https://doi.org/10.1139/cgj-2018-0066>

Länsivaara T. **Foreword.** HKIE Transactions. 2018;25(2). <https://doi.org/10.1080/1023697X.2018.1482593>

Sormunen LA, Kolisoja P. **Mechanical properties of recovered municipal solid waste incineration bottom ash: the influence of aging and changes in moisture content.** Road Materials and Pavement Design . 2018;19(2):252-270. <https://doi.org/10.1080/14680629.2016.1251960>

Länsivaara T, Korkiala-Tanttu L. **Otat näytteen vain kerran.** In Geotekniikan Päivä. SGY. 2018

Katko TS. **WC-tilat ja -opasteet vain likana silmissämme?** Kuntatekniikka. 2018;72(4):45.

Fathipour Azar H, Saksala T, Jalali S-ME. **Artificial neural networks models for rate of penetration prediction in rock drilling .** Rakenteiden mekaniikka. 2017 Aug 21;50(3):252-255. <https://doi.org/10.23998/rm.64969>

Saksala T. **Numerical modelling of rock materials with polygonal finite elements.** Rakenteiden mekaniikka. 2017 Aug 21;50(3):216-219. <https://doi.org/10.23998/rm.64643>

Saksala T. **Numerical modelling of dynamic spalling test on rock with an emphasis on the influence of pre-existing cracks.** Rakenteiden mekaniikka. 2017 Aug 7;50(2):63-76. <https://doi.org/10.23998/rm.65303>

Järvinen A, Karjalainen P, Bloss M, Potila O, Simonen P, Kuuluvainen H et al. **Chasing measurements for real-world emissions of city buses.** 2017. Paper presented at European Aerosol Conference 2017, Zürich, Switzerland.

Saksala T, Hokka M, Kuokkala V-T. **Continuum modelling of dynamic rock fracture under triaxial confinement.** In 14th International Conference on Fracture, Proceedings of ICF 14 : Rhodes, Greece, June 18-23, 2017. 2017. 822

Thakur V, Degago SA, Selänpää J, Länsivaara T. **Determination of remoulding energy of sensitive clays.** In Landslides in Sensitive Clays: From Research to Implementation. Springer. 2017. p. 97-107. (Advances in Natural and Technological Hazards Research). [https://doi.org/10.1007/978-3-319-56487-6\\_9](https://doi.org/10.1007/978-3-319-56487-6_9)

D'Ignazio M, Jostad HP, Länsivaara T, Lehtonen V, Mansikkamäki J, Meehan C. **Effects of sample disturbance in the determination of soil parameters for advanced finite element modelling of sensitive clays.** In Landslides in Sensitive Clays: From Research to Implementation. Springer. 2017. p. 146-154. (Advances in Natural and Technological Hazards Research). [https://doi.org/10.1007/978-3-319-56487-6\\_13](https://doi.org/10.1007/978-3-319-56487-6_13)

D'Ignazio M, Länsivaara T, Jostad HP. **Failure in anisotropic sensitive clays: a finite element study of the Perniö failure test**. Canadian Geotechnical Journal. 2017;54(7):1013-1033. <https://doi.org/10.1139/cgj-2015-0313>

Saksala T, Hokka M, Kuokkala V-T. **Numerical 3D modelling of the effects of strain rate and confining pressure on the compressive behavior of Kuru granite**. Computers and Geotechnics. 2017;88:1-8. <https://doi.org/10.1016/j.compgeo.2017.03.004>

Selänpää J, Buò BD, Länsivaara T, D'Ignazio M. **Problems related to field vane testing in soft soil conditions and improved reliability of measurements using an innovative field vane device**. In Landslides in Sensitive Clays: From Research to Implementation. Springer. 2017. p. 121-131. (Advances in Natural and Technological Hazards Research). [https://doi.org/10.1007/978-3-319-56487-6\\_10](https://doi.org/10.1007/978-3-319-56487-6_10)

D'Ignazio M, Phoon K-K, Tan SA, Länsivaara T, Lacasse S. **Reply to the discussion by Mesri and Wang on "Correlations for undrained shear strength of Finnish soft clays"**. Canadian Geotechnical Journal. 2017. <https://doi.org/10.1139/cgj-2017-0114#.WiUscmeXcTU>

Juuti P, Rajala R. **Valkea kaupunki, mustat vedet**. Vesitalous. 2017;2017(1):15-17.

Luomala H. **Älypölkky, radan monitorointi, kreosottipölkyn korvaavat vaihtoehdot**. 2016.

Luomala H. **Ballast bed**. 2016.

Saari A. **Näkökulma-kolumni: Putkiremontit kestävät aivan liian kauan**. 2016.

Luomala H. **Sleepers**. 2016.

Luomala H. **Tutkimusohjelma Elinkaaritehokas RAta (TERA): Kokonaisvaltainen ote ratarakennetutkimukseen**. 2016.

Malaska M, Heikkilä R. **Editorial to "The best papers from the 32nd International Symposium on Automation and Robotics in Construction and Mining (ISARC 2015)"**. Automation in Construction. 2016 Nov 1;71:1. <https://doi.org/10.1016/j.autcon.2016.08.045>

Behailu BM, Suominen A, Katko TS, Mattila H, Yayehiyirad G. **Comparison of community managed projects and conventional approaches in rural water supply of Ethiopia**. African Journal of Environmental Science and Technology. 2016 Sep 30;10(9):292-306. 04AF23059936. <https://doi.org/10.5897/AJEST2016.2132>

D'Ignazio M. **Undrained shear strength of Finnish clays for stability analyses of embankments**. Tampere University of Technology, 2016. 178 p. (Tampere University of Technology. Publication).

Sormunen LA, Kalliainen A, Kolisoja P, Rantsi R. **Combining mineral fractions of recovered MSWI bottom ash: improvement for utilization in civil engineering structures**. Waste and Biomass Valorization. 2016 Aug 22. <https://doi.org/10.1007/s12649-016-9656-4>

Kylliäinen M, Hongisto V, Oliva D, Rekola L. **A laboratory listening experiment on subjective and objective rating of impact sound insulation of concrete floors**. In Proceedings of the INTER-NOISE 2016, 45th International Congress on Noise Control Engineering : Towards a Quieter Future, August 21-24, 2016, Hamburg, Germany. Hamburg: German Acoustical Society (DEGA). 2016. p. 894-902. 193

Kovalainen V, Kylliäinen M, Huhtala T. **A method for design of sound insulation of glazed balconies against traffic noise**. In Proceedings of the INTER-NOISE 2016, 45th International Congress and Exposition on Noise Control Engineering : Towards a Quieter Future, August 21-24, 2016, Hamburg, Germany. Hamburg: German Acoustical Society (DEGA). 2016. p. 3834-3841. 503

- Latvala J, Nurmikolu A, Luomala H. **Problems with Railway Track Drainage in Finland**. Procedia Engineering. 2016 Jul 13;143:1051-1058. <https://doi.org/10.1016/j.proeng.2016.06.098>
- Pakkala T, Lemberg A-M, Lahdensivu J. **The effect of climate change on freeze-thaw durability of concrete structures in Finland**. 2016. Paper presented at OCEANEXT : Interdisciplinary Conference, .
- Kerokoski O, Rantala T, Nurmikolu A. **Deterioration mechanisms and life cycle of concrete monoblock railway sleepers in Finnish conditions**. In WCRR 2016 Proceedings: 11th World congress on railway research, 29.5-2.6.2016, Milano. 2016
- Köliö A, Pakkala T, Lahdensivu J, Pentti M. **Betonirakenteiden korjausohjeet 2016, by 41**. Suomen Betoniyhdistys r.y., 2016. 115 p.
- Di Buo B, D'Ignazio M, Selänpää J, Länsivaara T. **Preliminary results from a study aiming to improve ground investigation data**. In Proceedings of the 17th Nordic Geotechnical Meeting: Challenges in Nordic Geotechnic 25th-28th of May. Reykjavik: Icelandic Geotechnical Society. 2016. p. 187-197
- D'Ignazio M, Länsivaara T. **Strength increase below an old test embankment in Finland**. In The 17th Nordic Geotechnical Meeting: Conference proceedings. Reykjavik: Icelandic Geotechnical Society. 2016. p. 357-366
- Kalliainen A, Kolisoja P, Nurmikolu A. **3D Finite Element Model as a Tool for Analyzing the Structural Behavior of a Railway Track**. Procedia Engineering. 2016;143:820-827. <https://doi.org/10.1016/j.proeng.2016.06.133>
- Leppänen MM, Kuula P. **Acceptability of contaminated soils and waste materials in landfill structures**. 2016. Paper presented at Nordrocs, .
- Lehtonen V, Länsivaara T. **Back-calculation of the Saint-Alban A test embankment with a new modelling approach in LEM**. In Proceedings of the The 17th Nordic Geotechnical Meeting, Reykjavik Iceland: 25th - 28th of May 2016. 2016. p. 691-699
- Mönkäre TJ, Palmroth MRT, Rintala JA. **Characterization of fine fraction mined from two Finnish landfills**. Waste Management. 2016;47A:34-39. <https://doi.org/10.1016/j.wasman.2015.02.034>
- Koivisto K, Forsman J, Ronkainen M, Lahtinen P, Kolisoja P, Kuula P. **Commercialising reclaimed materials in earthworks – guidelines for productization and the process of appending these materials in the Finnish national code of practice**. In Proceedings of the 17th Nordic Geotechnical Meeting Reykjavik Iceland: Challenges in Nordic Geotechnic 25th - 28th of May. Reykjavik: Icelandic Geotechnical Society. 2016
- D'Ignazio M, Phoon KK, Tan SA, Länsivaara T. **Correlations for undrained shear strength of Finnish soft clays**. Canadian Geotechnical Journal. 2016;53(10):1628-1645. <https://doi.org/10.1139/cgj-2016-0037>
- Kolisoja P, Kalliainen A. **Modelling of plastic culvert and road embankment interaction in 3D**. Procedia Engineering. 2016;143:427-434. <https://doi.org/10.1016/j.proeng.2016.06.054>
- Tuominen J, Lipping T. **Spatial variability of reed bed spectra in Olkiluoto Island**. In 2016 IEEE International Geoscience and Remote Sensing Symposium (IGARSS),: July 10-15, Beijing, China. IEEE. 2016. p. 7188-7191. (IEEE International Geoscience and Remote Sensing Symposium Proceedings). <https://doi.org/10.1109/IGARSS.2016.7730875>
- Kalliainen A, Haakana V, Korhonen M, Mäkinen J, Kolisoja P. **Teräsrumpujen uudet korjausmenetelmät: Halkaistu sisäputki, puolipohjaus ja pohjan betonointi**. Liikennevirasto, 2016. 70 p. (Liikenneviraston tutkimuksia ja selvityksiä).

Du L, Prasauskas T, Leivo V, Turunen M, Kiviste M, Martuzevicius D et al. **The effects of improved energy efficiency on indoor environmental quality in multi-family buildings.** In Indoor Air 2016: The 14th international conference of Indoor Air Quality and Climate Ghent, Belgium July 3-8 2016. 2016. 737

Katko TS, Hukka JJ. **Vesihuollon strateginen kehittäminen haltuun: Ydin- ja tukitoiminnon tarpeen hahmottaa selkeästi.** Kuntatekniikka. 2016;70(2):12-13.

Kuula P. **Tien ja radan sitomattomissa rakennekerroksissa käytettävien kiviainesten lujuuden ja hienontumisen tutkiminen : kirjallisuusselvitys.** 2015 ed. Helsinki: Liikennevirasto, 2015. 115 p. (Liikenneviraston tutkimuksia ja selvityksiä; 68).

Parviainen A, Loukola-Ruskeeniemi K, Tarvainen T, Hatakka T, Härmä P, Backman B et al. **Arsenic in bedrock, soil and groundwater - The first arsenic guidelines for aggregate production established in Finland.** Earth-Science Reviews. 2015 Nov 1;150:709-723. <https://doi.org/10.1016/j.earscirev.2015.09.009>

Tuominen E, Vinha J. **Kapillaaristen vedenimuominaisuuksien määrittämiseen sopivan vapaan vedenimukoelaitteiston kehittäminen.** In Vinha J, Ruuska T, editors, Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 233-238

Tuominen E, Vinha J. **Laastien vedenimukertoimen määrittämisen virhelähdekokeet.** In Vinha J, Ruuska T, editors, Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 239-244

Ruuska T, Vinha J. **Laastin ja betonin lämmönjohtavuuden ja ominaislämpökapasiteetin määrittäminen lämpövirtalevyllä.** In Vinha J, Ruuska T, editors, Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 227-232

Rantala T, Kerokoski O, Nurmikolu A. **Betonisten ratapölkkyjen väsytyskuormituskokeet.** Rakenteiden mekaniikka. 2015 Jun 3;48(1):18-33.

D'Ignazio M. **Test in scala reale su argille sensibili: l'esperienza finlandese.** In 5 IAGIG, Incontro Annuale dei Giovani Ingegneri Geotecnici. Rome. 2015

Länsivaara T, Knuuti M. **A proposal for some modifications of EN 1997-1 design approaches.** In Fifth International Symposium on Geotechnical Safety and Risk (ISGSR): Rotterdam, The Netherlands 13-16 October 2015. IOS Press. 2015. p. 486-491

Loukola-Ruskeeniemi K, (ed.), Lonka H, (ed.), Ehrukainen E, Gustafsson J, Honkanen M, Härmä P et al. **Kiviaines- ja luonnonkiviteollisuuden kehitysnäkymät.** Helsinki: Työ- ja elinkeinoministeriö, 2015. 72 p. (Työ- ja elinkeinoministeriön julkaisuja; 54).

Latvala J. **Konvektiivinen lämmönsiirtyminen ratapenkereessä.** Liikennevirasto, 2015. 115 p. (Liikenneviraston tutkimuksia ja selvityksiä).

Kuula P, Kolisoja P, Sjöberg M, Ketola T, Koivisto K, Forsman J et al. **Selvitys UUMA-materiaalien teknisen kelpoisuuden arviointiin liittyvistä testausstandardeista ja -menetelmistä (1. vaihe), 29.12.2014.** Ramboll, 2015. (UUMA 2, Uusiomateriaalit maarakentamisessa ohjelma 2013-2015).

D'Ignazio M, Länsivaara T. **Shear bands in soft clays: strain-softening behavior in finite element method.** Rakenteiden mekaniikka. 2015;48(1):83-98.

Länsivaara T. **Varmuuden kohdentaminen geotekniikassa, miten Eurokoodeja voisi kehittää?** In Geotekniikan päivä 2015. SGY. 2015

D'Ignazio M, Mansikkamäki J, Länsivaara T. **Anisotropic total and effective stress stability analysis of the Perniö failure test.** In Hicks MA, Brinkgreve RBJ, Rohe A, editors, 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. CRC Press Taylor & Francis Group; A Balkema book. 2014. p. 609-614 <https://doi.org/10.1201/b17017-109>

Tarvainen T, Hatakka T, Backman B, Ketola T, Härmä P. **ASROCKS-Hankkeen heikkouuttomenetelmien vertailu.** GEOLOGIAN TUTKIMUSKESKUS, 2014. 13 p.

Silvast M, Nurmikolu A, Wiljanen B, Mäkelä E. **Condition-Based Track Maintenance and Rehabilitation Design Using Combined Data Analysis.** In GEORAIL 2014 : 2nd International symposium - Railway geotechnical engineering, 6-7 November 2014, France. Ranska: IFSTTAR. 2014. p. 649-656

Leppänen M, Laasonen J, Välisalo T. **Finnish mine waste disposal areas.** In Geosynthetics Mining Solutions 2014. Infomine. 2014

Härmä P, Tarvainen T, Backman B, Hatakka T, Ketola T, Kuula P et al. **Kiviainesten otto arseenialueilla - opas kiviainesten tuottajille, maarakentajille ja viranomaisille.** Espoo: GEOLOGIAN TUTKIMUSKESKUS, 2014. 71 p.

Leppänen M, Välisalo T, (ed.), Laasonen J. **Liite 6: Yleistä kaivannaisjätealueista ja patoturvallisuudesta.** In Kaivosten stressitesti 2013. Ympäristöministeriö. 2014. (Ympäristöministeriön raportteja).

Luomala H, Peltokangas O, Nurmikolu A. **Stiffmaster - A continuous track stiffness measurement device.** In GEORAIL 2014 : 2nd International symposium - Railway geotechnical engineering, 6-7 November 2014, France. IFSTTAR. 2014. p. 109-118