

Behailu, BM, Suominen, A, Katko, TS, Mattila, H & Yayehiyirad, G 2016, 'Comparison of community managed projects and conventional approaches in rural water supply of Ethiopia', *African Journal of Environmental Science and Technology*, vol. 10, no. 9, 04AF23059936, pp. 292-306. <https://doi.org/10.5897/AJEST2016.2132>

Di Buo, B, D'Ignazio, M, Selänpää, J & Länsivaara, T 2016, Preliminary results from a study aiming to improve ground investigation data. in *Proceedings of the 17th Nordic Geotechnical Meeting: Challenges in Nordic Geotechnics 25th-28th of May*. Icelandic Geotechnical Society, Reykjavik, pp. 187-197, NORDIC GEOTECHNICAL MEETING, 1/01/00.

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

Di Buo, B 2020, *Evaluation of the Preconsolidation Stress and Deformation Characteristics of Finnish Clays based on Piezocone Testing*. Tampere University Dissertations, vol. 222, vol. 222, Tampere University.

Di Buò, B, D'Ignazio, M, Selänpää, J, Haikola, M, Länsivaara, T & Di Sante, M 2019, 'Investigation and geotechnical characterization of Perniö clay, Finland', *AIMS Geosciences*, vol. 5, no. 3, pp. 591–616. <https://doi.org/10.3934/geosci.2019.3.591>

D'Ignazio, M, Lunne, T, Andersen, KH, Yang, S, Di Buo, B & Länsivaara, T 2019, 'Estimation of preconsolidation stress of clays from piezocone by means of high-quality calibration data', *AIMS Geosciences*, vol. 5, no. 2, pp. 104-116. <https://doi.org/10.3934/geosci.2019.2.104>

D'Ignazio, M, Mansikkamäki, J & Länsivaara, T 2014, Anisotropic total and effective stress stability analysis of the Perniö failure test. in MA Hicks, RBJ Brinkgreve & A Rohe (eds), *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, pp. 609-614, European Conference on Numerical Methods in Geotechnical Engineering, 1/01/14. <https://doi.org/10.1201/b17017-109>

D'Ignazio, M & Länsivaara, T 2015, 'Shear bands in soft clays: strain-softening behavior in finite element method', *Rakenteiden mekaniikka*, vol. 48, no. 1, pp. 83-98.

D'Ignazio, M & Länsivaara, T 2016, Strength increase below an old test embankment in Finland. in *The 17th Nordic Geotechnical Meeting: Conference proceedings*. Icelandic Geotechnical Society, Reykjavik, pp. 357-366, NORDIC GEOTECHNICAL MEETING, 1/01/00.

D'Ignazio, M, Phoon, KK, Tan, SA & Länsivaara, T 2016, 'Correlations for undrained shear strength of Finnish soft clays', *Canadian Geotechnical Journal*, vol. 53, no. 10, pp. 1628-1645. <https://doi.org/10.1139/cgj-2016-0037>

D'Ignazio, M, Länsivaara, T & Jostad, HP 2017, 'Failure in anisotropic sensitive clays: a finite element study of the Perniö failure test', *Canadian Geotechnical Journal*, vol. 54, no. 7, pp. 1013-1033. <https://doi.org/10.1139/cgj-2015-0313>

D'Ignazio, M 2015, Test in scala reale su argille sensibili: l'esperienza finlandese. in *5 IAGIG, Incontro Annuale dei Giovani Ingegneri Geotecnici*. Rome, Annual Meeting of Young Geotechnical Engineers, 26/07/16.

D'Ignazio, M 2016, *Undrained shear strength of Finnish clays for stability analyses of embankments*. Tampere University of Technology. Publication, vol. 1412, Tampere University of Technology.

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

D'Ignazio, M, Jostad, HP, Länsivaara, T, Lehtonen, V, Mansikkamäki, J & Meehan, C 2017, 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*. Advances in Natural and Technological Hazards Research, vol. 46, Springer, pp. 146-154. https://doi.org/10.1007/978-3-319-56487-6_13

Di Sante, M, Giorgetti, F, Di Buo, B, Länsivaara, T & Pasqualini, E 2018, 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, pp. 226-234, International Congress on Environmental Geotechnics, 28/10/18. https://doi.org/10.1007/978-981-13-2221-1_19

Di Sante, M, Di Buò, B, Fratolocchi, E & Länsivaara, T 2020, 'Lime treatment of a soft sensitive clay: A sustainable reuse option', *Geosciences*, vol. 10, no. 5, 182. <https://doi.org/10.3390/geosciences10050182>

Du, L, Prasauskas, T, Leivo, V, Turunen, M, Kiviste, M, Martuzevicius, D & Haverinen-Shaughnessy, U 2016, 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.*, 737, International conference of Indoor Air Quality and Climate, 1/01/00.

Fathipour Azar, H, Saksala, T & Jalali, S-ME 2017, 'Artificial neural networks models for rate of penetration prediction in rock drilling', *Rakenteiden mekaniikka*, vol. 50, no. 3, pp. 252-255. <https://doi.org/10.23998/rm.64969>

Härmä, P, Tarvainen, T, Backman, B, Hatakka, T, Ketola, T, Kuula, P, Luoma, S, Pyy, O, Sorvari, J & Loukola-Ruskeeniemi, K 2014, *Kiviainesten otto arseenialueilla - opas kiviainesten tuottajille, maarakentajille ja viranomaisille*. GEOLOGIAN TUTKIMUSKESKUS, Espoo.

Hartikainen, J, Claesson Liljedahl, L, Kolisoja, P, Kontula, A, Kouhia, R, Näslund, J-O, van As, D & Zwinger, T 2018, 'Thermal Evolution of a Holocene Arctic Environment in Western Greenland' pp. 122.

Hui, N, Parajuli, A, Puhakka, R, Grönroos, M, Roslund, MI, Vari, HK, Selonen, VAO, Yan, G, Siter, N, Nurminen, N, Oikarinen, S, Laitinen, O, Rajaniemi, J, Hyöty, H & Sinkkonen, A 2019, 'Temporal variation in indoor transfer of dirt-associated environmental bacteria in agricultural and urban areas', *Environment International*, vol. 132, no. November 2019, 105069. <https://doi.org/10.1016/j.envint.2019.105069>

Inha, L, Katko, TS & Rajala, R 2019, 'Vesihuollon instituutiot vaativat taitavaa jalkapallopeleä', *Rakennustekniikka*, vol. 75, no. 3, pp. 38-40.

Järvinen, A, Karjalainen, P, Bloss, M, Potila, O, Simonen, P, Kuuluvainen, H, Timonen, H, Saarikoski, S, Niemi, JV, Keskinen, J & Rönkkö, T 2017, 'Chasing measurements for real-world emissions of city buses' Paper presented at European Aerosol Conference 2017, Zürich, Switzerland, 27/08/17 - 1/09/17, .

Juuti, P & Rajala, R 2017, 'Valkea kaupunki, mustat vedet', *Vesitalous*, vol. 2017, no. 1, pp. 15-17.

Kalliainen, A, Haakana, V, Korhonen, M, Mäkinen, J & Kolisoja, P 2016, *Teräsrumpujen uudet korjausmenetelmät: Halkaistu sisäputki, puolipohjaus ja pohjan betonointi*. Liikenneviraston tutkimuksia ja selvityksiä, Liikennevirasto.

Kalliainen, A, Kolisoja, P & Nurmikolu, A 2016, '3D Finite Element Model as a Tool for Analyzing the Structural Behavior of a Railway Track', *Procedia Engineering*, vol. 143, pp. 820-827. <https://doi.org/10.1016/j.proeng.2016.06.133>

Katko, TS & Hukka, JJ 2016, 'Vesihuollon strateginen kehittäminen haltuun: Ydin- ja tukitoiminnon tarpeen hahmottaa selkeästi', *Kuntatekniikka*, vol. 70, no. 2, pp. 12-13.

Katko, TS 2018, 'WC-tilat ja -opasteet vain likana silmissämme?', *Kuntatekniikka*, vol. 72, no. 4, pp. 45.

Katko, TS, Inha, L & Rajala, R 2019, 'Vesihuolto yhdyskuntien ympäristön turvaajana: uskomuksia ja todellisuuksia', *Ympäristökasvatus*, no. 2.

Kerokoski, O, Rantala, T & Nurmikolu, A 2016, 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*. WORLD CONGRESS ON RAILWAY RESEARCH, 1/01/00.

Knuuti, M & Länsivaara, T 2019, 'Variation of CPTu-based transformation models for undrained shear strength of Finnish clays', *Georisk*, vol. 13, no. 4, pp. 262-270. <https://doi.org/10.1080/17499518.2019.1644525>

Koivisto, K, Forsman, J, Ronkainen, M, Lahtinen, P, Kolisoja, P & Kuula, P 2016, 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*. Icelandic Geotechnical Society, Reykjavik, NORDIC GEOTECHNICAL MEETING, 1/01/00.

Köliö, A, Pakkala, T, Lahdensivu, J & Pentti, M 2016, *Betonirakenteiden korjausohjeet 2016, by 41*. Suomen Betoniyhdistys r.y.

Kolisoja, P & Kalliainen, A 2016, 'Modelling of plastic culvert and road embankment interaction in 3D', *Procedia Engineering*, vol. 143, pp. 427-434. <https://doi.org/10.1016/j.proeng.2016.06.054>

Kolisoja, P 2018, 'Nysse tulee - Tampere3 nimittäin', *Geofoor*, no. 48, pp. 27-28.

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

Kovalainen, V, Kylliäinen, M & Huhtala, T 2016, 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.*, 503, German Acoustical Society (DEGA), Hamburg, pp. 3834-3841, INTERNATIONAL CONGRESS AND EXPOSITION ON NOISE CONTROL ENGINEERING, 1/01/00.

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

Kuula, P 2015, *Tien ja radan sitomattomissa rakennekerroksissa käytettävien kiviainesten lujuuden ja hienontumisen tutkiminen : kirjallisuusselvitys*. Liikenneviraston tutkimuksia ja selvityksiä, no. 68, vol. 2015, vol. 68, 2015 edn, Liikennevirasto, Helsinki.

Kuuluvainen, H, Poikkimäki, M, Järvinen, A, Irjala, M, Dal Maso, M, Niemi, JV, Timonen, H, Keskinen, J & Rönkkö, T 2018, 'Vertical profiles of lung deposited surface area concentration of particulate matter measured with a drone in an urban street canyon' Paper presented at 11th International Conference on Air Quality - Science and Application, Barcelona, Spain, 12/03/18 - 16/03/18, .

Kuuluvainen, H, Poikkimäki, M, Järvinen, A, Kuula, J, Irjala, M, Dal Maso, M, Keskinen, J, Timonen, H, Niemi, JV & Rönkkö, T 2018, 'Vertical profiles of lung deposited surface area (LDSA) concentration measured with a drone in an urban street canyon (MP-17)' Paper presented at Aerosol Technology 2018, Bilbao, Spain, 18/06/18 - 20/06/18, pp. 73.

Kylliäinen, M, Hongisto, V, Oliva, D & Rekola, L 2016, 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.*, 193, German Acoustical Society (DEGA), Hamburg, pp. 894-902, INTERNATIONAL CONGRESS AND EXPOSITION ON NOISE CONTROL ENGINEERING, 1/01/00.

Länsivaara, T & Knuuti, M 2015, 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, pp. 486-491, International Symposium on Geotechnical Safety and Risk, Netherlands, 1/11/10.

Länsivaara, T 2015, Varmuuden kohdentaminen geotekniikassa, miten Eurokoodeja voisi kehittää? in *Geotekniikan päivä 2015*. SGY, Geotekniikan päivä, Finland, 7/12/98.

Länsivaara, T 2018, 'Foreword', *HKIE Transactions*, vol. 25, no. 2. <https://doi.org/10.1080/1023697X.2018.1482593>

Länsivaara, T & Korkiala-Tanttu, L 2018, Otat näytteen vain kerran. in *Geotekniikan Päivä*. SGY, Geotekniikan päivä, Finland, 7/12/98.

Latvala, J 2015, *Konvektiivinen lämmönsiirtyminen ratapenkereessä*. Liikenneviraston tutkimuksia ja selvityksiä, vol. 20/2015, Liikennevirasto.

Latvala, J, Nurmikolu, A & Luomala, H 2016, 'Problems with Railway Track Drainage in Finland', *Procedia Engineering*, vol. 143, pp. 1051-1058. <https://doi.org/10.1016/j.proeng.2016.06.098>

Lehtonen, V & Länsivaara, T 2016, 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*. pp. 691-699, NORDIC GEOTECHNICAL MEETING, 1/01/00.

Leppänen, M, Laasonen, J & Välisalo, T 2014, Finnish mine waste disposal areas. in *Geosynthetics Mining Solutions 2014*. Infomine, Geosynthetics Mining Solutions, Canada, 2/09/14.

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

Leppänen, MM & Kuula, P 2016, 'Acceptability of contaminated soils and waste materials in landfill structures' Paper presented at Nordrocs, 5/04/17, .

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, *Kiviaines- ja luonnonkiviteollisuuden kehitysnäkymät*. Työ- ja elinkeinoministeriön julkaisuja, no. 54, vol. 2015, Työ- ja elinkeinoministeriö, Helsinki.

Luomala, H, Peltokangas, O & Nurmikolu, A 2014, Stiffmaster - A continuous track stiffness measurement device. in *GEORAIL 2014 : 2nd International symposium - Railway geotechnical engineering, 6-7 November 2014, France*. IFSTTAR, pp. 109-118, International Symposium Railway geotechnical engineering, 1/01/14.

Luomala, H 2016, *Ballast bed*..

Luomala, H 2016, *Sleepers*..

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

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

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

Mardalizad, A, Saksala, T, Manes, A & Giglio, M 2020, 'Numerical modeling of the tool-rock penetration process using FEM coupled with SPH technique', *JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING*, vol. 189, 107008. <https://doi.org/10.1016/j.petrol.2020.107008>

Mönkäre, T.J., Palmroth, M.R.T. & Rintala, J.A. 2016, 'Characterization of fine fraction mined from two Finnish landfills', *Waste Management*, vol. 47A, pp. 34-39. <https://doi.org/10.1016/j.wasman.2015.02.034>

Pakkala, T., Lemberg, A.-M. & Lahdensivu, J. 2016, 'The effect of climate change on freeze-thaw durability of concrete structures in Finland' Paper presented at OCEANEXT : Interdisciplinary Conference, 8/06/16, pp. 53.

Parviainen, A., Loukola-Ruskeeniemi, K., Tarvainen, T., Hatakka, T., Härmä, P., Backman, B., Ketola, T., Kuula, P., Lehtinen, H., Sorvari, J., Pyy, O., Ruskeeniemi, T. & Luoma, S. 2015, 'Arsenic in bedrock, soil and groundwater - The first arsenic guidelines for aggregate production established in Finland', *Earth-Science Reviews*, vol. 150, pp. 709-723. <https://doi.org/10.1016/j.earscirev.2015.09.009>

Pressacco, M. & Saksala, T. 2018, Numerical modelling of fracture processes in thermal shock weakened rock. in V Litvinenko (ed.), *Geomechanics and Geodynamics of Rock Masses, Volume 1 Proceedings of the 2018 European Rock Mechanics Symposium*. CRC Press, pp. 883-888, European Rock Mechanics Symposium, St. Petersburg, Russian Federation, 22/05/18.

Pressacco, M. & Saksala, T. 2020, 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*. Proceedings in Earth and geosciences, vol. 6, CRC Press, pp. 2547-2553, International Congress on Rock Mechanics and Rock Engineering, 1/01/00. <https://doi.org/10.1201/9780367823177>

Rantala, T., Kerokoski, O. & Nurmikolu, A. 2015, 'Betonisten ratapölkkyjen väsytytkuormituskokeet', *Rakenteiden mekaniikka*, vol. 48, no. 1, pp. 18-33.

Ruuska, T. & Vinha, J. 2015, Laastin ja betonin lämmönjohtavuuden ja ominaislämpökapasiteetin määrittäminen lämpövirtalevyllä. in J. Vinha & T. Ruuska (eds), *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, Tampere, pp. 227-232, *Rakennusfysiikka*, 1/01/00.

Saari, A. 2016, *Näkökulma-kolumni: Putkiremontit kestävät aivan liian kauan*. Sanoma Talotekniikkajulkaisut Oy.

Saksala, T., Hokka, M. & Kuokkala, V.-T. 2017, 'Numerical 3D modelling of the effects of strain rate and confining pressure on the compressive behavior of Kuru granite', *Computers and Geotechnics*, vol. 88, pp. 1-8. <https://doi.org/10.1016/j.compgeo.2017.03.004>

Saksala, T., Hokka, M. & Kuokkala, V.-T. 2017, 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.*, 822, International Conference on Fracture, 25/08/17.

Saksala, T. 2017, 'Numerical modelling of dynamic spalling test on rock with an emphasis on the influence of pre-existing cracks', *Rakenteiden mekaniikka*, vol. 50, no. 2, pp. 63-76. <https://doi.org/10.23998/rm.65303>

Saksala, T. 2017, 'Numerical modelling of rock materials with polygonal finite elements', *Rakenteiden mekaniikka*, vol. 50, no. 3, pp. 216-219. <https://doi.org/10.23998/rm.64643>

Saksala, T., Fourmeau, M., Kane, P.-A. & Hokka, M. 2018, '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*, vol. 99, pp. 55-63. <https://doi.org/10.1016/j.compgeo.2018.02.006>

Saksala, T. 2018, Numerical modelling of rock fracture with a Hoek-Brown viscoplastic-damage model implemented with polygonal finite elements. in V Litvinenko (ed.), *Geomechanics and Geodynamics of Rock Masses, Volume 1: Proceedings of the 2018 European Rock Mechanics Symposium*. CRC Press, pp. 903-908, European Rock Mechanics Symposium, St. Petersburg, Russian Federation, 22/05/18.

Saksala, T 2018, Numerical modelling of thermal spallation of rock. in *Proceedings of XII Argentine Congress on Computational Mechanics (MECOM2018)* . Mecánica Computacional, no. 48, vol. 36, pp. 1567-1574, Argentine Congress on Computational Mechanics, 6/11/18.

Saksala, T 2019, 'On the Strain Rate Sensitivity of Coarse-Grained Rock: A Mesoscopic Numerical Study', *Rock Mechanics and Rock Engineering*, vol. 52, no. 9, pp. 3229–3240. <https://doi.org/10.1007/s00603-019-01772-1>

Saksala, T 2019, 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*. Proceedings in Earth and geosciences , vol. 4, CRC Press, pp. 4808-4814, International Conference on Earthquake Geotechnical Engineering, Rome, Italy, 17/06/19. <https://doi.org/10.1201/9780429031274>

Saksala, T & Jabareen, M 2019, 'Numerical modeling of rock failure under dynamic loading with polygonal elements', *International Journal for Numerical and Analytical Methods in Geomechanics*, vol. 43, no. 12, pp. 2056-2074. <https://doi.org/10.1002/nag.2947>

Saksala, T 2020, 'Numerical modelling of pore-fluid-enhanced thermal spallation in granitic rock', *Rakenteiden mekaniikka* , vol. 53, no. 2, pp. 100-109. <https://doi.org/10.23998/rm.77645>

Saksala, T 2020, 'Thermal shock assisted percussive drilling: A numerical study on the single-bit axisymmetric case', *International Journal of Rock Mechanics and Mining Sciences*, vol. 132, 104365. <https://doi.org/10.1016/j.ijrms.2020.104365>

Saksala, T & Ibrahimbegovic, A 2020, 'Thermal shock weakening of granite rock under dynamic loading: 3D numerical modeling based on embedded discontinuity finite elements', *International Journal for Numerical and Analytical Methods in Geomechanics*, vol. 44, no. 13, pp. 1788-1811. <https://doi.org/10.1002/nag.3107>

Saksala, T 2020, 'Demolition of concrete by thermal shock spallation: a mesoscopic numerical study based on embedded discontinuity finite elements', *INTERNATIONAL JOURNAL OF FRACTURE*. <https://doi.org/10.1007/s10704-020-00474-y>

Saksala, T 2020, '3D numerical modelling of thermal shock assisted percussive drilling', *Computers and Geotechnics*, vol. 128, 103849. <https://doi.org/10.1016/j.compgeo.2020.103849>

Sekki, P, Karvinen, T & Vinha, J 2020, 'Moisture behavior of external insulated precast concrete wall panels', *Journal of Building Physics*. <https://doi.org/10.1177/1744259120925850>

Selänpää, J, Buò, BD, Länsivaara, T & D'Ignazio, M 2017, 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*. Advances in Natural and Technological Hazards Research, vol. 46, Springer, pp. 121-131. https://doi.org/10.1007/978-3-319-56487-6_10

Selänpää, J, Di Buo, B, Haikola, M, Länsivaara, T & D'Ignazio, M 2018, 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, pp. 571-577, International Symposium on Cone Penetration testing, 21/06/18.

Silvast, M, Nurmikolu, A, Wiljanen, B & Mäkelä, E 2014, 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*. IFSTTAR, Ranska, pp. 649-656, International Symposium Railway geotechnical engineering, 1/01/14.

Sørensen, SN, Hansen, SF, 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 2018, 'Identifying criteria for environmental risk assessment models at different stage-gates of nano-material/product innovation considering requirements of various stakeholders (TH083)' Paper presented at SETAC EUROPE 28th Annual Meeting, Rome, Italy, 13/05/18 - 17/05/18, .

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

Sormunen, LA & Kolisoja, P 2018, 'Mechanical properties of recovered municipal solid waste incineration bottom ash: the influence of aging and changes in moisture content', *Road Materials and Pavement Design*, vol. 19, no. 2, pp. 252-270.
<https://doi.org/10.1080/14680629.2016.1251960>

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

Thakur, V, Degago, SA, Selänpää, J & Länsivaara, T 2017, Determination of remoulding energy of sensitive clays. in *Landslides in Sensitive Clays: From Research to Implementation*. Advances in Natural and Technological Hazards Research, vol. 46, Springer, pp. 97-107. https://doi.org/10.1007/978-3-319-56487-6_9

Tuominen, E & Vinha, J 2015, Laastien vedenimukertoimen määrittämisen virhelähdekokeet. in J Vinha & T Ruuska (eds), *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, Tampere, pp. 239-244, *Rakennusfysiikka*, 1/01/00.

Tuominen, E & Vinha, J 2015, Kapillaaristen vedenimuominaisuuksien määrittämiseen sopivan vapaan vedenimukoelaitteiston kehittäminen. in J Vinha & T Ruuska (eds), *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, Tampere, pp. 233-238, *Rakennusfysiikka*, 1/01/00.

Tuominen, J & Lipping, T 2016, 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 International Geoscience and Remote Sensing Symposium Proceedings, IEEE, pp. 7188-7191, INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM, 2/12/16. <https://doi.org/10.1109/IGARSS.2016.7730875>

Vatanshenas, A, Mori, T, Farhadi, MS & Länsivaara, T 2020, 'Stress-strain hysteresis shape estimation of different soils using deformation-history integral (DHI) model', *MATERIALS PHYSICS AND MECHANICS*, vol. 44, no. 2, pp. 221-228.
https://doi.org/10.18720/MPM.4422020_6

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

Zwinger, T, Hartikainen, J & Cohen, D 2018, 'A High-resolution Coupled Permafrost - Ice Sheet Model' Paper presented at POLAR2018, Davos, Switzerland, 19/06/18 - 23/06/18, pp. 123.