

Wireless crack sensing using an RFID-based folded patch antenna

Yi, X., Wang, Y., Leon, R. T., Cooper, J. & Tentzeris, M. M., 2012, *Bridge Maintenance, Safety, Management, Resilience and Sustainability - Proceedings of the Sixth International Conference on Bridge Maintenance, Safety and Management*. p. 824-830 7 p.

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

WIN-WINTER - Tie- ja katuverkon talvihoidon tutkimusohjelma. Esiselvitys: Raportti tuloksista

Karhula, K., Pöllänen, M., Mäntynen, J., Rauhamäki, H., Leppäniemi, M. & Luukkonen, T., 2015, Tampereen teknillinen yliopisto. Liikenteen tutkimuskeskus Verne. 15 p.

Research output: Book/Report › Commissioned report › Professional

WIN-WINTER - Nordic winter road maintenance research program. Preliminary study: Project report

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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

Validation of the method to evaluate the corrosion propagation stage by hygrothermal simulation

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

Uudessa COMBI-hankkeessa tutkitaan energiatehokkaan palvelurakentamisen haasteita ja ratkaisuja

Vinha, J., Hedman, M., Sirén, K., Harsia, P., Pentti, M., Teriö, O., Heljo, J., Laukkarinen, A., Annala, P., Kaasalainen, H., Jokisalo, J. & Pihlajamaa, P., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere..* Vinha, J. & Ruuska, T. (eds.). Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 487-496 10 p. (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; no. 4).

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

Utilizing the innovation potential of suppliers in construction projects

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

Utilizing mixed-mineralogy ferroan magnesite tailings as the source of magnesium oxide in magnesium potassium phosphate cement

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

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

Understanding fundamental and practical ingredients of construction project data management

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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 › Chapter › Scientific › peer-review

Tuulettuvien yläpohjien lämpö- ja kosteustekninen toiminta nykyisessä ja tulevaisuuden ilmastossa

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Research output: Book/Report › Book › Professional

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Thermal and moisture properties of calcium silicate insulation boards

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Research output: Contribution to journal › Conference article › Scientific › peer-review

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

The impact of occupancy patterns, occupant-controlled ventilation and shading on indoor overheating risk in domestic environments

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The corrosion rate in reinforced concrete facades exposed to outdoor environment

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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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Societal impact as Cost-Benefit Analysis: Comparative analysis of two research infrastructures

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Recycling lithium mine tailings in the production of low temperature (700–900°C) ceramics: Effect of ladle slag and sodium compounds on the processing and final properties

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Raudoitteiden korroosionopeuden määrittäminen betonijulkisivussa korkean aikaresoluution säädätin avulla

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

Rakennuksen ulkovaipan yli vaikuttavien paine-erojen määrittäminen rakennusfysikaalisia laskentatarkasteluja varten

Moisio, T., Laukkarinen, A. & Vinha, J., 2019, *Rakennusfysiikka 2019: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 28.-30.10.2019, Tampere*. Vinha, J. & Raunima, T. (eds.). Tampere: Tampereen yliopisto, Rakennustekniikka,

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Radon, fungal spores and MVOCs reduction in crawl space house: A case study and crawl space development by hygrothermal modelling

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Research output: Book/Report › Commissioned report › Professional

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Puurunkoisten ulkoseinien liitosten lämpö- ja kosteustekninen toiminta

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

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Pre-use phase LCA of a multi-story residential building: Can greenhouse gas emissions be used as a more general environmental performance indicator?

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

Precision refurbishment of buildings: A façade refurbishment case study

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

Practical experiences from several moisture performance assessments

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Performance of Variable Partial Factor approach in a slope design

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People's current mobility costs and willingness to pay for Mobility as a Service offerings

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Passive wireless antenna sensor for strain and crack sensing - Electromagnetic modeling, simulation, and testing

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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

Parametric study on temperature distribution of square hollow section joints

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

Paine-erot Pirkanmaan ja Helsingin julkisissa palvelurakennuksissa

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Overheating in English dwellings: comparing modelled and monitored large-scale datasets

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

Nano-structured optical fibers made of glass-ceramics, and phase separated and metallic particle-containing glasses

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

Multicriteria selection in concept design of a divertor remote maintenance port in the EU DEMO reactor using an AHP participative approach

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

Moment-rotation behavior of welded tubular high strength steel T joint

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

Modelling the stressed skin effect by using shell elements with meta-material model

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Modeling of hygrothermal behavior for green facade's concrete wall exposed to nordic climate using artificial intelligence and global sensitivity analysis

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

Menetelmä parvekelasien ääneneristävyyden mitoittamiseksi liikennemelualueilla

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

Measured energy consumption of educational buildings in a Finnish city

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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

Airtightness of residential buildings in Finland

Vinha, J., Manelius, E., Korpi, M., Salminen, K., Kurnitski, J., Kiviste, M. & Laukkarinen, A., 1 Nov 2015, In : *Building and Environment*. 93, P2, p. 128-140 13 p.

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

A generic method to optimize a redundant serial robotic manipulator's structure

Kivelä, T., Mattila, J. & Puura, J., 1 Sep 2017, In : *Automation in Construction*. 81, p. 172-179 8 p.

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

Acoustics of vanished 19th century concert halls in Helsinki

Niemi, H., Kylliäinen, M., Jäppinen, J. & Lindqvist, M., Oct 2015, *9th International conference on Auditorium Acoustics 2015*. Institute of Acoustics, Vol. 37. p. 182-189 8 p.

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