

Remote diagnostics application software for remote handling equipment. / Alanen, Jarmo; Ruiz Morales, Emilio; Muhammad, Ali; Saarinen, Hannu; Minkkinen, Joni.
In: Fusion Engineering and Design, 2019.

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

Tuulettuvat julkisivut 2016, by 64. / Annila, Petri ; Lahdensivu, Jukka ; Lemberg, Antti-Matti; Pikkuvirta, Jussa; Pakkala, Toni.

Helsinki : Suomen Betoniyhdistys r.y., 2016. 121 p.

Research output: Book/Report › Book › Professional

Practical experiences from several moisture performance assessments. / Annila, Petri J.; Lahdensivu, Jukka ; Suonketo, Jommi ; Pentti, Matti .

Recent developments in building diagnosis techniques. ed. / João Delgado. Vol. 5 Porto, Portugal : Springer Science+Business Media, 2016. p. 1-20 (Building Pathology and Rehabilitation; Vol. 5).

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

Kosteusvaurioiden vakavuus kuntien rakennuksissa. / Annila, Petri; Lahdensivu, Jukka; Suonketo, Jommi; Pentti, Matti; Laukkarinen, Anssi; Vinha, Juha.

Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 135-140 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Instrumentation and fe analysis of a large-span culvert built under a railway, in Finland. / Asp, Olli; Laaksonen, Anssi.

In: Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering, Vol. 26, No. 4, 03.11.2016, p. 357-364.

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

Parametric study on temperature distribution of square hollow section joints. / Bączkiewicz, Jolanta; Pajunen, Sami; Malaska, Mikko; Heinisuo, Markku.

In: Journal of Constructional Steel Research, Vol. 160, 01.09.2019, p. 490-498.

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

Divertor remote handling for DEMO : Concept design and preliminary FMECA studies. / Carfora, D.; Di Gironimo, G.; Järvenpää, J.; Huhtala, K.; Määttä, T.; Siuko, M.

In: Fusion Engineering and Design, Vol. 98-99, 09.07.2015, p. 1437-1441.

Research output: Contribution to journal › 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. / Carfora, D.; Gironimo, G. Di; Esposito, G.; Huhtala, K.; Määttä, T.; Mäkinen, H.; Micciché, G.; Mozzillo, R.

In: Fusion Engineering and Design, Vol. 112, 15.11.2016, p. 324-331.

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

Evaluating retrofit options in a historical city center : Relevance of bio-based insulation and the need to consider complex urban form in decision-making. / Claude, Sophie; Ginestet, Stephane; Bonhomme, Marion; Escadeillas, Gilles; Taylor, Jonathon; Marincioni, Valentina; Korolija, Ivan; Altamirano, Hector.

In: Energy and Buildings, Vol. 182, 01.01.2019, p. 196-204.

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

Using probabilistic sampling-based sensitivity analyses for indoor air quality modelling. / Das, Payel; Shrubsole, Clive; Jones, Benjamin; Hamilton, Ian; Chalabi, Zaid; Davies, Michael; Mavrogiani, Anna; Taylor, Jonathon.

In: Building and Environment, Vol. 78, 01.01.2014, p. 171-182.

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

Reply to the discussion by koutsoftas on "evaluation of sample quality from different sampling methods in finnish soft sensitive clays". / Di Buò, Bruno; Selänpää, Juha; Länsivaara, Tim Tapani; D'ignazio, Marco.

In: Canadian Geotechnical Journal, Vol. 57, No. 8, 2020, p. 1261-1262.
Research output: Contribution to journal › Comment/debate › Scientific

Structural analysis of tubular truss in fire. / Diez Albero, J. A.; Tiainen, T.; Mela, K.; Heinisuo, M.
ISTS15, 15th International Symposium on Tubular Structures, : 27-29 May 2015. CRC Press/Balkema, 2015. p. 181-187.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Techno-economic evaluation of integrating torrefaction with anaerobic digestion. / Doddapaneni, Tharaka Rama Krishna C.; Praveenkumar, Ramasamy; Tolvanen, Henrik; Rintala, Jukka; Kontinen, Jukka.
In: Applied Energy, Vol. 213, 2018, p. 272-284.
Research output: Contribution to journal › Article › Scientific › peer-review

A life cycle assessment of two residential buildings using two different LCA database-software combinations : Recognizing uniformities and inconsistencies. / Emami, Nargessadat; Heinonen, Jukka; Marteinsson, Björn; Säynäjoki, Antti; Junnonen, Juha Matti; Laine, Jani; Junnila, Seppo.
In: Buildings, Vol. 9, No. 1, 20, 14.01.2019.
Research output: Contribution to journal › Article › Scientific › peer-review

An approach to combining related notifications in large-scale building management systems with a rehabilitation facility case study. / Evchina, Yulia; Martinez Lastra, Jose Luis.
In: Automation in Construction, Vol. 87, 31.03.2018, p. 106-116.
Research output: Contribution to journal › Article › Scientific › peer-review

Improving the thermal performance of concrete-sandwich envelopes in relation to the moisture behaviour of building structures in boreal conditions. / Fedorik, Filip; Malaska, Mikko; Hannila, Raimo; Haapala, Antti.
In: Energy and Buildings, Vol. 107, 15.11.2015, p. 226-233.
Research output: Contribution to journal › Article › Scientific › peer-review

Impacts of multiple refurbishment strategies on hygrothermal behaviour of basement walls. / Fedorik, Filip; Heiskanen, Roosa; Laukkarinen, Anssi; Vinha, Juha.
In: Journal of Building Engineering, Vol. 26, 100902, 11.2019.
Research output: Contribution to journal › Article › Scientific › peer-review

Surrogate modeling for initial rotational stiffness of welded tubular joints. / Garifullin, M. R.; Barabash, A. V.; Naumova, E. A.; Zhuvak, O. V.; Jokinen, T.; Heinisuo, M.
In: Magazine of Civil Engineering, Vol. 63, No. 3, 2016, p. 53-76.
Research output: Contribution to journal › Article › Scientific › peer-review

Initial in-plane rotational stiffness of welded RHS T joints with axial force in main member. / Garifullin, Marsel; Pajunen, Sami; Mela, Kristo; Heinisuo, Markku; Havula, Jarmo.
In: Journal of Constructional Steel Research, Vol. 139, 01.12.2017, p. 353-362.
Research output: Contribution to journal › Article › Scientific › peer-review

Cold-formed RHS T joints with initial geometrical imperfections. / Garifullin, M.; Bronzova, M. K.; Heinisuo, M.; Mela, K.; Pajunen, S.
In: Magazine of Civil Engineering, Vol. 80, No. 4, 2018, p. 81-94.
Research output: Contribution to journal › Article › Scientific › peer-review

Initial axial stiffness of welded RHS T joints. / Garifullin, Marsel; Bronzova, Maria; Pajunen, Sami; Mela, Kristo; Heinisuo, Markku.
In: Journal of Constructional Steel Research, Vol. 153, 01.02.2019, p. 459-472.
Research output: Contribution to journal › Article › Scientific › peer-review

Analysis of thermo-active pile structures and their performance under groundwater flow conditions. / Gashti, E. Hassani Nezhad; Malaska, M.; Kujala, K.
In: Energy and Buildings, Vol. 105, 11.08.2015, p. 1-8.

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

Second-order analysis of prestressed concrete columns. / Haavisto, Jukka; Kerokoski, Olli; Laaksonen, Anssi.

Proceedings of the fib Symposium 2019: Concrete - Innovations in Materials, Design and Structures. ed. / Wit Derkowski; Piotr Krajewski; Piotr Gwozdziwicz; Marek Pantak; Lukasz Hojdy. International Federation for Structural Concrete, 2019. p. 1068-1074 (FIB symposium proceedings).

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

Evaluation of thermo-mechanical behaviour of composite energy piles during heating/cooling operations. / Hassani Nezhad Gashti, Ehsan; Malaska, Mikko; Kujala, Kauko.

In: Engineering Structures, Vol. 75, 15.09.2014, p. 363-373.

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

Moment-rotation behavior of welded tubular high strength steel T joint. / Havula, Jarmo; Garifullin, Marsel; Heinisuo, Markku; Mela, Kristo; Pajunen, Sami.

In: Engineering Structures, Vol. 172, 01.10.2018, p. 523-537.

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

Integration of BIM and automation in high-rise building construction. / Heikkilä, R.; Malaska, M.; Törmänen, P.; Keyack, Chris.

ISARC 2013 - 30th International Symposium on Automation and Robotics in Construction and Mining, Held in Conjunction with the 23rd World Mining Congress. 2013. p. 1171-1176.

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

Pre-use phase LCA of a multi-story residential building : Can greenhouse gas emissions be used as a more general environmental performance indicator? / Heinonen, Jukka; Säynäjoki, Antti; Junnonen, Juha Matti; Pöyry, Amalia; Junnila, Seppo.

In: Building and Environment, Vol. 95, 01.01.2016, p. 116-125.

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

Koko Julkisivua peittävän lasijulkisivun vaikutus Etelä-Ruotsissa sijaitsevan rakennuksen energiatehokkuuteen. / Hilliaho, Kimmo ; Nordquist, Birgitta; Wallentén, Petter.

Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. ed. / Juha Vinha; Tiina Ruuska. Tampere : Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 509-516 (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu 4; No. 4).

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

Energy saving and indoor climate effects of an added glazed facade to a brick wall building : Case study. / Hilliaho, Kimmo; Nordquist, Birgitta; Wallentén, Petter; Hamid, Akram Abdul; Lahdensivu, Jukka.

In: Journal of Building Engineering, Vol. 7, 01.09.2016, p. 246-262.

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

Effects of added glazing on Balcony indoor temperatures : Field measurements. / Hilliaho, Kimmo; Köliö, Arto; Pakkala, Toni; Lahdensivu, Jukka; Vinha, Juha.

In: Energy and Buildings, Vol. 128, 2016, p. 458-472.

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

Effects of strain rate and confining pressure on the compressive behavior of Kuru granite. / Hokka, M.; Black, J.; Tklich, D.; Fourmeau, M.; Kane, A.; Hoang, N. H.; Li, C. C.; Chen, W. W.; Kuokkala, V.-T.

In: International Journal of Impact Engineering, Vol. 91, 01.05.2016, p. 183-193.

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

ÄKK-hankkeen suositukset tulevaisuuden ääneneristysmääräyksiä koskien. / Hongisto, Valtteri; Kylliäinen, Mikko ; Hyönä, Jukka.

Rakennusfysiikka 2015. Tampere : Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 561-566.

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

ÄKK Loppuraportti : rakennusten ääniolosuhteiden käyttäjälähtöinen kehittäminen. / Hongisto, Valtteri; Kylliäinen, Mikko .
Helsinki : Finnish Institute of Occupational Health, 2015. 40 p.
Research output: Book/Report > Commissioned report > Professional

Validation of the method to evaluate the corrosion propagation stage by hygrothermal simulation. / Ilomets, Simo;
Kalamees, Targo; Lahdensivu, Jukka.
CESB 2016 - Central Europe Towards Sustainable Building 2016: Innovations for Sustainable Future. Czech Technical
University in Prague, 2016. p. 1113-1120.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Energy saving in working hydraulics of long booms in heavy working vehicles. / Immonen, Paula; Ponomarev, Pavel;
Åman, Rafael; Ahola, Ville; Uusi-Heikkilä, Janne; Laurila, Lasse; Handroos, Heikki; Niemelä, Markku; Pyrhönen, Juha;
Huhtala, Kalevi.
In: Automation in Construction, Vol. 65, 01.05.2016, p. 125-132.
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.** / Ismailov, Arnold; Merilaita, Niina; Solismaa, Soili; Karhu, Marjaana; Levänen, Erkki.
In: Construction and building materials, Vol. 231, 117098, 20.01.2020.
Research output: Contribution to journal > Article > Scientific > peer-review

Kipsilevytuulensuojallisten puurunkoisten ulkoseinärakenteiden rakennusfysikaalinen toiminta. / Jokela, Teemu;
Laukkarinen, Anssi; Vinha, Juha.
Rakennusfysiikka 2019: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 28.-30.10.2019, Tampere. ed. / Juha
Vinha; Tuomas Raunima. Vol. Seminaarijulkaisu 6 Tampere : Tampereen yliopisto, Rakennustekniikka, 2019. p. 61-66.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Professional

Ilmakehän pitkäaaltainen säteily rakennusfysikaalisissa laskentatarkasteluissa. / Jokela, Teemu; Laukkarinen, Anssi;
Vinha, Juha.
Rakennusfysiikka 2019: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 28.-30.10.2019, Tampere. ed. / Juha
Vinha; Tuomas Raunima. Vol. Seminaarijulkaisu 6 Tampere : Tampereen yliopisto, Rakennustekniikka, 2019. p. 55-60.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Professional

Assessing uncertainty in housing stock infiltration rates and associated heat loss : English and UK case studies. / Jones,
Benjamin; Das, Payel; Chalabi, Zaid; Davies, Michael; Hamilton, Ian; Lowe, Robert; Mavrogianni, Anna; Robinson, Darren
; Taylor, Jonathon.
In: Building and Environment, Vol. 92, 01.10.2015, p. 644-656.
Research output: Contribution to journal > Article > Scientific > peer-review

Strategy formation in construction firms. / Junnonen, J. M.
In: ENGINEERING, CONSTRUCTION AND ARCHITECTURAL MANAGEMENT, Vol. 5, No. 2, 01.02.1998, p. 107-114.
Research output: Contribution to journal > Article > Scientific > peer-review

Puurunkoisten tuuletettujen yläpohjien kosteustekninen toiminta. / Junttila, Hannanoora; Laukkarinen, Anssi ; Vinha, Juha
.
Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere.. ed. / Juha
Vinha; Tiina Ruuska. Tampere : Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 77-
82 (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; No. 4).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific

Understanding fundamental and practical ingredients of construction project data management. / Kähkönen, Kalle;
Rannisto, Jukka.
In: Construction Innovation: Information, Process, Management, Vol. 15, No. 1, 05.01.2015, p. 7-23.
Research output: Contribution to journal > Article > Scientific > peer-review

Role and nature of systemic innovations in construction and real estate sector. / Kähkönen, Kalle.
In: Construction Innovation: Information, Process, Management, Vol. 15, No. 2, 07.04.2015, p. 130-133.
Research output: Contribution to journal › Article › Scientific › peer-review

Commissioning for nearly zero-energy building projects. / Kantola, Mikko; Saari, Arto.
In: Construction Innovation: Information, Process, Management, Vol. 14, No. 3, 01.07.2014, p. 370-382.
Research output: Contribution to journal › Article › Scientific › peer-review

WIN-WINTER - Tie- ja katuverkon talvihoidon tutkimusohjelma. Esiselvitys : Raportti tuloksista. / Karhula, Kaisa ; Pöllänen, Markus ; Mäntynen, Jorma ; Rauhamäki, Harri ; Leppäniemi, Marika; Luukkonen, Terhi.
Tampereen teknillinen yliopisto. Liikenteen tutkimuskeskus Verne., 2015. 15 p.
Research output: Book/Report › Commissioned report › Professional

WIN-WINTER - Nordic winter road maintenance research program. Preliminary study : Project report. / Karhula, Kaisa ; Pöllänen, Markus ; Mäntynen, Jorma ; Rauhamäki, Harri ; Leppäniemi, Marika; Luukkonen, Terhi.
Tampere University of Technology, 2015. 15 p.
Research output: Book/Report › Commissioned report › Professional

Designers' performance evaluation in construction projects. / Kärnä, Sami; Junnonen, Juha Matti.
In: ENGINEERING, CONSTRUCTION AND ARCHITECTURAL MANAGEMENT, Vol. 24, No. 1, 01.01.2017, p. 154-169.
Research output: Contribution to journal › Article › Scientific › peer-review

Project feedback as a tool for learning. / Kärnä, Sami; Junnonen, Juha Matti.
Proceedings of the 13th Annual Conference of the International Group for Lean Construction (IGLC 2005). 2005. p. 47-55.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Paine-erot Pirkanmaan ja Helsingin julkisissa palvelurakennuksissa. / Kauppinen, Antti; Kiviste, Mihkel; Pirhonen, Joni; Vinha, Juha.
Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 215-221 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Core Project Team As a Management Entity for Construction Projects. / Keinänen, Marko; Kähkönen, Kalle.
In: In_bo: Ricerche e progetti per il territorio, la città e l'architettura. Construction Management, Vol. 9, No. 13, 2018, p. 208-217.
Research output: Contribution to journal › Article › Scientific › peer-review

Radon, fungal spores and MVOCs reduction in crawl space house : A case study and crawl space development by hygrothermal modelling. / Kesikuru, T.; Salo, J.; Huttunen, P.; Kokkoti, H.; Hyttinen, M.; Halonen, R.; Vinha, J.
In: Building and Environment, Vol. 138, 15.06.2018, p. 1-10.
Research output: Contribution to journal › Article › Scientific › peer-review

A generic method to optimize a redundant serial robotic manipulator's structure. / Kivelä, Tuomo; Mattila, Jouni; Puura, Jussi.
In: Automation in Construction, Vol. 81, 01.09.2017, p. 172-179.
Research output: Contribution to journal › Article › Scientific › peer-review

Hot-box measurements to investigate the internal convection of highly insulated loose-fill insulation roof structures. / Kivioja, Henna; Vinha, Juha.
In: Energy and Buildings, Vol. 216, 109934, 01.06.2020.
Research output: Contribution to journal › Article › Scientific › peer-review

Performance of Variable Partial Factor approach in a slope design. / Knuuti, Mika; Länsivaara, Tim.
13th International Conference on Applications of Statistics and Probability in Civil Engineering(ICASP13), Seoul, South Korea, May 26-30, 2019. 2019.

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. / Knuuti, Mika; Länsivaara, Tim.

In: Georisk, Vol. 13, No. 4, 02.10.2019, p. 262-270.

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

Raudoitteiden korroosionopeuden määrittäminen betonijulkisivussa korkean aikaresoluution säädätin avulla. / Köliö, Arto ; Hohti, Harri; Pakkala, Toni ; Laukkarinen, Anssi; Lahdensivu, Jukka; Mattila, Jussi .

Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere.. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 195-202 (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; No. 4).

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

The corrosion rate in reinforced concrete facades exposed to outdoor environment. / Köliö, Arto; Pakkala, Toni A.; Hohti, Harri; Laukkarinen, Anssi; Lahdensivu, Jukka; Mattila, Jussi; Pentti, Matti.

In: Materials and Structures, Vol. 50, No. 23, 02.2017.

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

Implementation of a direct procedure for critical point computations using preconditioned iterative solvers. / Kouhia, Reijo; Tüma, Miroslav; Mäkinen, Jari; Fedoroff, Alexis; Marjamäki, Heikki.

In: Computers & Structures, Vol. 108-109, 10.2012, p. 110-117.

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

Menetelmä parvekelasien ääneneristävyyden mittaamiseksi liikennemelualueilla. / Kovalainen, Ville; Kylliäinen, Mikko. Rakennusfysiikka 2015. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 617-622.

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

Briefing : Initial findings from the urba project. / Krokfors, Karin; Ilmonen, Mervi; Kangasoja, Jonna; Lehtonen, Hilikka; Mälkki, Mikko; Mäntyselä, Raine; Norvasuo, Markku; Nupponen, Terttu; Puustinen, Sari.

In: PROCEEDINGS OF THE ICE: URBAN DESIGN AND PLANNING, Vol. 164, No. 1, 03.2011, p. 15-17.

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

Cost optimal and nearly zero (nZEB) energy performance calculations for residential buildings with REHVA definition for nZEB national implementation. / Kurnitski, Jarek; Saari, Arto; Kalamees, Targo; Vuolle, Mika; Niemelä, Jouko; Tark, Teet.

In: Energy and Buildings, Vol. 43, No. 11, 11.2011, p. 3279-3288.

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

Bus Transportation Accessibility - Does It Impact Housing Values? / Kurvinen, Antti ; Sorri, Jaakko .

Proceedings of the CIB World Building Congress 2016: Understanding impacts and functioning of different solutions. ed. / Suvi Nenonen; Juha-Matti Junnonen. Vol. IV Tampere : Tampere University of Technology. Department of Civil Engineering, 2016. p. 321-331.

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

Structural behaviour of long integral abutment bridges. / Laaksonen, Anssi.

Global Thinking in Structural Engineering: Recent Achievements. International Association for Bridge and Structural Engineering (IABSE), 2012.

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

Eriste- ja levyraappaus 2016, by 57. / Lahdensivu, Jukka; Annala, Petri; Pikkuvirta, Jussa.

Helsinki : Suomen Betoniyhdistys r.y., 2016. 145 p. (BY. Tekniset ohjeet; No. 57).

Research output: Book/Report › Book › Professional

Alkali-silica reaction in Finnish swimming pools. / Lahdensivu, Jukka; Kekäläinen, Pirkko.

Proceedings of the fib Symposium 2019: Concrete - Innovations in Materials, Design and Structures. ed. / Wit Derkowski; Piotr Krajewski; Piotr Gwozdziwicz; Marek Pantak; Lukasz Hojdy. International Federation for Structural Concrete, 2019. p. 2006-2013 (fib Symposium Proceedings).

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

Pyöräväylien tiedot ja laatutaso. / Laitinen, Kaisu; Mattila, Kalervo; Metsäpuro, Pasi ; Nykänen, Lasse.
2015 ed. Helsinki : Liikennevirasto, 2015. 72 p.

Research output: Book/Report › Commissioned report › Professional

Output power variation of different PV array configurations during irradiance transitions caused by moving clouds. / Lappalainen, Kari; Valkealahti, Seppo.

In: Applied Energy, Vol. 190, 15.03.2017, p. 902-910.

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

Puuvälipohjien akustiset ominaisuudet. / Latvanne, Pekka; Kylliäinen, Mikko.

Rakennusfysiikka 2015. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 567-572.

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

Lasitetun parvekkeen lämpötilan ja lämpöhäviöiden laskenta. / Laukkarinen, Anssi ; Hilliaho, Kimmo .

Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. ed. / Juha Vinha; Tiina Ruuska. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 181-186 (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; No. 4).

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

Tuulettuvien yläpohjien lämpö- ja kosteustekninen toiminta nykyisessä ja tulevaisuuden ilmastossa. / Laukkarinen, Anssi.
Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. 107 p.

Research output: Book/Report › Master's Thesis › Scientific

Maanvastaisten seinien lämpö- ja kosteustekninen toiminta. / Laukkarinen, Anssi; Heiskanen, Roosa; Vinha, Juha.

Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 71-76 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Puukerrostalon työmaavaiheen lämpö- ja kosteusolosuhteiden mittaukset. / Laukkarinen, Anssi; Musakka, Sami; Penttilä, Olavi; Teriö, Olli; Vinha, Juha.

Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 167-172 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Condensation at the exterior surface of windows. / Laukkarinen, Anssi; Kero, Paavo; Vinha, Juha.

In: Journal of Building Engineering, Vol. 19, 01.09.2018, p. 592-601.

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

Koulujen ja päiväkotien sisäilman lämpötilan, suhteellisen kosteuden ja hiilidioksidipitoisuuden mittaukset COMBI-hankkeessa. / Laukkarinen, Anssi; Kauppinen, Antti; Tuominen, Eero; Raunima, Tuomas; Vinha, Juha.

Rakennusfysiikka 2019: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 28.-30.10.2019, Tampere. ed. / Juha Vinha; Tuomas Raunima. Vol. Seminaarijulkaisu 6 Tampere : Tampereen yliopisto, Rakennustekniikka, 2019. p. 133-138.

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

Stretching risk management standards : Multi-organizational perspectives. / Lehtiranta, Liisa; Junnonen, Juha Matti.

In: BUILT ENVIRONMENT PROJECT AND ASSET MANAGEMENT, Vol. 4, No. 2, 01.01.2014, p. 128-145.

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

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. / Lemougna, Patrick N.; Yliniemi, Juho; Ismailov, Arnold; Levänen, Erkki; Tanskanen, Pekka; Kinnunen, Paivo; Roning, Juha; Illikainen, Mirja.

In: Construction and building materials, Vol. 221, 10.10.2019, p. 332-344.

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

People's current mobility costs and willingness to pay for Mobility as a Service offerings. / Liljamo, Timo; Liimatainen, Heikki; Pöllänen, Markus; Utriainen, Roni.

In: Transportation Research Part A: Policy and Practice, Vol. 136, 01.06.2020, p. 99-119.

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

Experimental study on the behavior of wear resistant steels under high velocity single particle impacts. / Lindroos, Matti; Apostol, Marian; Kuokkala, Veli Tapani; Laukkanen, Anssi; Valtonen, Kati; Holmberg, Kenneth; Oja, Olli.

In: International Journal of Impact Engineering, Vol. 78, 2015, p. 114-127.

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

Societal impact as Cost-Benefit Analysis : Comparative analysis of two research infrastructures. / Magazinik, Anastasiya; Bedolla, Joel Souza; Lasheras, Nuria Catalan; Mäkinen, Saku.

2019 IEEE International Conference on Engineering, Technology and Innovation, ICE/ITMC 2019. IEEE, 2019.

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

Editorial to "The best papers from the 32nd International Symposium on Automation and Robotics in Construction and Mining (ISARC 2015)". / Malaska, Mikko; Heikkilä, Rauno.

In: Automation in Construction, Vol. 71, 01.11.2016, p. 1.

Research output: Contribution to journal › Editorial › Scientific

Liikennetekniikan perusteet : Opetusmoniste. / Mäntynen, Jorma ; Kallberg, Harri ; Kalenoja, Hanna; Rauhamäki, Harri; Pöllänen, Markus Matias; Luukkonen, Terhi; Karhula, Kaisa.

Tampere : Tampereen teknillinen yliopisto. Liikenteen tutkimuskeskus Verne., 2012. 216 p.

Research output: Book/Report › Book › Professional

Lähtökohtia tie- ja rataverkon peruspalvelutason määrittämiselle. / Mäntynen, Jorma; Pöllänen, Markus; Eskelinen, Heikki; Lehtola, Ilkka; Perrels, Adriaan; Johanna, Kallioinen.

Helsinki : Liikenne- ja viestintäministeriö, 2002. 134 p. (Liikenne- ja viestintäministeriön julkaisuja; No. 48/2002).

Research output: Book/Report › Commissioned report › Professional

Urban social housing resilience to excess summer heat. / Mavrogianni, A.; Taylor, J.; Davies, M.; Thoua, C.; Kolm-Murray, J.

In: Building Research and Information, Vol. 43, No. 3, 04.05.2015, p. 316-333.

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

The impact of occupancy patterns, occupant-controlled ventilation and shading on indoor overheating risk in domestic environments. / Mavrogianni, A.; Davies, M.; Taylor, J.; Chalabi, Z.; Biddulph, P.; Oikonomou, E.; Das, P.; Jones, B.

In: Building and Environment, Vol. 78, 01.01.2014, p. 183-198.

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

Modeling of hygrothermal behavior for green facade's concrete wall exposed to nordic climate using artificial intelligence and global sensitivity analysis. / May Tzuc, O.; Rodríguez Gamboa, O.; Aguilar Rosel, R.; Che Poot, M.; Edelman, H.; Jiménez Torres, M.; Bassam, A.

In: Journal of Building Engineering, Vol. 33, 101625, 2020.

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

Solar Panel Breakage During Heavy Rain Caused by Thermal Stress. / Mikkonen, Antti; Karvinen, Reijo.

Engineered Transparency 2016: Glass in Architecture and Structural Engineering. Wiley, 2016.

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

Rakennuksen ulkovaipan yli vaikuttavien paine-erojen määrittäminen rakennusfysikaalisia laskentatarkasteluja varten. / Moisio, Topi; Laukkarinen, Anssi; Vinha, Juha.

Rakennusfysiikka 2019: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 28.-30.10.2019, Tampere. ed. / Juha Vinha; Tuomas Raunima. Vol. Seminaarijulkaisu 6 Tampere : Tampereen yliopisto, Rakennustekniikka, 2019. p. 49-54.

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

Puurunkoisten ulkoseinien liitosten lämpö- ja kosteustekninen toiminta. / Moisio, Topi; Laukkarinen, Anssi; Vinha, Juha. Rakennusfysiikka 2019: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 28.-30.10.2019, Tampere. ed. / Juha Vinha; Tuomas Raunima. Vol. Seminaarijulkaisu 6 Tampere : Tampereen yliopisto, Rakennustekniikka, 2019. p. 67-74.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

Carbon dioxide permeability of building materials and their impact on bedroom ventilation need. / Niemelä, Timo; Vinha, Juha; Lindberg, Ralf; Ruuska, Tiina; Laukkarinen, Anssi. In: Journal of Building Engineering, Vol. 12, 01.07.2017, p. 99-108.
Research output: Contribution to journal › Article › Scientific › peer-review

Acoustics of vanished 19th century concert halls in Helsinki. / Niemi, Henry; Kylliäinen, Mikko ; Jäppinen, Jere; Lindqvist, Mikko. 9th International conference on Auditorium Acoustics 2015. Vol. 37 Institute of Acoustics, 2015. p. 182-189.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Auralization of vanished 19th century concert halls in Helsinki. / Niemi, Henry; Kylliäinen, Mikko; Jäppinen, Jere; Lindqvist, Mikko. 9th International Conference on Auditorium Acoustics 2015. Vol. 37 Institute of Acoustics, 2015. p. 470-477.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

BIM based schedule control for precast concrete supply chain. / Nissilä, J.; Heikkilä, R.; Romo, I.; Malaska, M.; Aho, T. 31st International Symposium on Automation and Robotics in Construction and Mining, ISARC 2014 - Proceedings. University of Technology Sydney, 2014. p. 667-671.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Investigating the kinetics and biofuel properties of *Alstonia congestis* and *Ceiba pentandra* via torrefaction. / Oluoti, Kehinde; Doddapaneni, Tharaka Rama K.C.; Richards, Tobias. In: Energy, Vol. 150, 01.05.2018, p. 134-141.
Research output: Contribution to journal › Article › Scientific › peer-review

Characterization of elastic constants of anisotropic composites in compression using digital image correlation. / Orell, Olli; Vuorinen, Jyrki; Jokinen, Jarno; Kettunen, Heikki; Hytönen, Pertti; Turunen, Jani; Kanerva, Mikko. In: Composite Structures, Vol. 185, 2018, p. 176-185.
Research output: Contribution to journal › Article › Scientific › peer-review

Modelling the stressed skin effect by using shell elements with meta-material model. / Pajunen, S.; Hautala, J.; Heinisuo, M. In: Magazine of Civil Engineering, Vol. 86, No. 2, 2019, p. 20-29.
Research output: Contribution to journal › Article › Scientific › peer-review

The effect of climate change on the amount of wind driven rain on concrete facades. / Pakkala, Toni; Lemberg, Antti-Matti ; Lahdensivu, Jukka . Proceedings of the CIB World Building Congress 2016: Vol 2 : Environmental opportunities and challenges, Constructing commitment and acknowledging human experiences. ed. / Matthijs Prins; Hans Wamelink; Bob Giddings; Kihong Ku; Manon Feenstra. Vol. 2 Tampere : Tampere University of Technology. Department of Civil Engineering, 2016. p. 153-165.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

The effect of climate change on freeze-thaw durability of concrete structures in Finland. / Pakkala, Toni ; Lemberg, Antti-Matti; Lahdensivu, Jukka . 2016. 53 Paper presented at OCEANEXT : Interdisciplinary Conference, .
Research output: Other conference contribution › Paper, poster or abstract › Scientific

Julkisivujen ja parvekkeiden talvikorjausohje. / Pakkala, Toni; Lahdensivu, Jukka; Köliö, Arto; Annala, Petri. Rakennusfysiikka 2017: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut, 24-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 179-184

(Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.)

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

Julkisivujen ja parvekkeiden talvikorjaus 2018. / Pakkala, Toni; Lahdensivu, Jukka; Köliö, Arto; Annala, Petri.
Vaasa : Suomen Betoniyhdistys r.y., 2018. (BY Tekniset ohjeet ; No. 70).

Research output: Book/Report › Book › Professional

Debonding and impact damage in stainless steel fibre metal laminates prior to metal fracture. / Pärnänen, T.; Kanerva, M.; Sarlin, E.; Saarela, O.

In: Composite Structures, Vol. 119, 2015, p. 777-786.

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

The target reliability of the eurocodes. / Poutanen, Tuomo.

Safety, Robustness and Condition Assessment of Structures. International Association for Bridge and Structural Engineering (IABSE), 2015. p. 202-208 (IABSE Symposium Report).

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

Fatigue loading tests of concrete railway sleepers. / Rantala, Tommi; Kerokoski, Olli; Nurmikolu, Antti; Laaksonen, Anssi.
High Tech Concrete: Where Technology and Engineering Meet - Proceedings of the 2017 fib Symposium. Springer International Publishing, 2018. p. 1445-1452.

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

Comparison between calculated and billed building energy consumption values of schools and daycare centers. / Ruusala, Annu; Laukkarinen, Anssi; Vinha, Juha.

In: MATEC Web of Conferences, Vol. 282, 02085, 2019.

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

Heat protective properties of enclosure structure from thin-wall profiles with foamed concrete. / Rybakov, V. A.; Ananeva, I. A.; Pichugin, E. D.; Garifullin, M.

In: Magazine of Civil Engineering, Vol. 94, No. 2, 01.03.2020, p. 11-20.

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

Financial viability of energy-efficiency measures in a new detached house design in Finland. / Saari, Arto; Kalamees, Targo; Jokisalo, Juha; Michelsson, Rasmus; Alanne, Kari; Kurnitski, Jarek.

In: Applied Energy, Vol. 92, 04.2012, p. 76-83.

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

Precision refurbishment of buildings : A façade refurbishment case study. / Saari, Arto.

In: STRUCTURAL SURVEY, Vol. 26, No. 2, 2008, p. 108-119.

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

Computational design concept analysis : A Nordic comparison of four apartment buildings. / Saari, Arto.

In: STRUCTURAL SURVEY, Vol. 26, No. 1, 2008, p. 29-37.

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

Shear buckling and resistance of thin-walled steel plate at non-uniform elevated temperatures. / Salminen, M.; Heinisuo, M.

10th International Conference on Steel Space and Composite Structures. CI-Premier Pte Ltd, 2011. p. 267-276.

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

Relationships among Civil Engineering Students' Approaches to Learning, Perceptions of the Teaching-Learning Environment, and Study Success. / Salmisto, Alpo; Postareff, Liisa; Nokelainen, Petri.

In: Journal of Professional Issues in Engineering Education and Practice, Vol. 143, No. 4, 04017010, 01.10.2017.

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

Assessing population vulnerability towards summer energy poverty : Case studies of Madrid and London. / Sanchez-Guevara, Carmen; Núñez Peiró, Miguel; Taylor, Jonathon; Mavrogianni, Anna; Neila González, Javier.
In: Energy and Buildings, Vol. 190, 01.05.2019, p. 132-143.
Research output: Contribution to journal > Article > Scientific > peer-review

Utilizing the innovation potential of suppliers in construction projects. / Sariola, Rami.
In: Construction Innovation, Vol. 18, No. 2, 2018.
Research output: Contribution to journal > Article > Scientific > peer-review

The effect of matrix type on ageing of thick vinyl ester glass-fibre-reinforced laminates. / Sarlin, Essi; Sironen, Reija; Pärnänen, Tuomas; Lindgren, Mari; Kanerva, Mikko; Vuorinen, Jyrki.
In: Composite Structures, Vol. 168, 15.05.2017, p. 840-850.
Research output: Contribution to journal > Article > Scientific > peer-review

Stress relaxation in tempered glass caused by heat soak testing. / Schneider, Jens; Hilcken, Jonas; Aronen, Antti; Karvinen, Reijo; Olesen, John F.; Nielsen, Jens.
In: Engineering Structures, Vol. 122, 01.09.2016, p. 42-49.
Research output: Contribution to journal > Article > Scientific > peer-review

Consideration of energy consumption, energy costs, and space occupancy in Finnish daycare centres and school buildings. / Sekki, Tiina; Andelin, Mia; Airaksinen, Miimu; Saari, Arto.
In: Energy and Buildings, Vol. 129, 01.10.2016, p. 199-206.
Research output: Contribution to journal > Article > Scientific > peer-review

Impact of building usage and occupancy on energy consumption in Finnish daycare and school buildings. / Sekki, Tiina; Airaksinen, Miimu; Saari, Arto.
In: Energy and Buildings, Vol. 105, 18.08.2015, p. 247-257.
Research output: Contribution to journal > Article > Scientific > peer-review

Measured energy consumption of educational buildings in a Finnish city. / Sekki, Tiina; Airaksinen, Miimu; Saari, Arto.
In: Energy and Buildings, Vol. 87, 01.01.2015, p. 105-115.
Research output: Contribution to journal > Article > Scientific > peer-review

Effect of energy measures on the values of energy efficiency indicators in Finnish daycare and school buildings. / Sekki, Tiina; Airaksinen, Miimu; Saari, Arto.
In: Energy and Buildings, Vol. 139, 15.03.2017, p. 124-132.
Research output: Contribution to journal > Article > Scientific > peer-review

Overheating in English dwellings : comparing modelled and monitored large-scale datasets. / Symonds, Phil; Taylor, Jonathon; Mavrogianni, Anna; Davies, Michael; Shrubsole, Clive; Hamilton, Ian; Chalabi, Zaid.
In: Building Research and Information, Vol. 45, No. 1-2, 17.02.2017, p. 195-208.
Research output: Contribution to journal > Article > Scientific > peer-review

The assessment of constructability : BIM cases. / Tauriainen, Matti K.; Puttonen, Jari A.; Saari, Arto J.
In: Journal of Information Technology in Construction, Vol. 20, 01.01.2015, p. 51-67.
Research output: Contribution to journal > Article > Scientific > peer-review

Mapping indoor overheating and air pollution risk modification across Great Britain : A modelling study. / Taylor, Jonathon; Davies, Mike; Mavrogianni, Anna; Shrubsole, Clive; Hamilton, Ian; Das, Payel; Jones, Benjamin; Oikonomou, Eleni; Biddulph, Phillip.
In: Building and Environment, Vol. 99, 01.04.2016, p. 1-12.
Research output: Contribution to journal > Article > Scientific > peer-review

The relative importance of input weather data for indoor overheating risk assessment in dwellings. / Taylor, J.; Davies, M.; Mavrogianni, A.; Chalabi, Z.; Biddulph, P.; Oikonomou, E.; Das, P.; Jones, B.
In: Building and Environment, Vol. 76, 01.01.2014, p. 81-91.

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

Puukerrostorakentamisen kosteudenhallinta. / Teriö, Olli; Penttilä, Olavi; Laukkarinen, Anssi; Musakka, Sami; Vinha, Juha.

Rakennusfysiikka 2017: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 24.-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 173-178 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

The effect of steel grade on weight and cost of warren-type welded tubular trusses. / Tiainen, Teemu; Mela, Kristo; Jokinen, Timo; Heinisuo, Markku.

In: Proceedings of the Institution of Civil Engineers: Structures and Buildings, Vol. 170, No. 11, 1600112, 01.11.2017, p. 855-873.

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

Buckling length assessment with finite element approach. / Tiainen, T.; Mela, K.; Heinisuo, M.

Stability and Ductility of Steel Structures - Proceedings of the International Colloquia on Stability and Ductility of Steel Structures, 2019. ed. / František Wald; Michal Jandera. CRC Press/Balkema, 2019. p. 1145-1150.

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

Behaviour of riveted stringer-to-floorbeam connections in cyclic load tests to failure. / Tulonen, Joonas; Siitonen, Tuomo; Laaksonen, Anssi.

In: Journal of Constructional Steel Research, Vol. 160, 01.09.2019, p. 101-109.

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

COMBI-hankkeen paine-eromittausten yhteenveto. / Tuominen, Eero; Laukkarinen, Anssi; Kauppinen, Antti; Raunima, Tuomas; Vinha, Juha.

Rakennusfysiikka 2019: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 28.-30.10.2019, Tampere. ed. / Juha Vinha; Tuomas Raunima. Vol. Seminaarijulkaisu 6 Tampere : Tampereen yliopisto, Rakennustekniikka, 2019. p. 139-144.

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

Huokoisten puukuitu- ja kipsilevytuulensuojalevyjen homehtumisherkkyyks. / Tuominen, Eero; Ruusala, Annu; Laukkarinen, Anssi; Pätsi, Sanna; Pessi, Anna-Mari; Vinha, Juha.

Rakennusfysiikka 2019: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 28.-30.10.2019, Tampere. ed. / Juha Vinha; Tuomas Raunima. Vol. Seminaarijulkaisu 6 Tampere : Tampereen yliopisto, Rakennustekniikka, 2019. p. 517-524.

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

Kapasitiivisten kosteusantureiden käyttäytyminen betoniseinien ja kipsivalulattioiden kuivumisen seurannassa. /

Tuominen, Eero; Raunima, Tuomas; Vinha, Juha; Sekki, Pauli.

Rakennusfysiikka 2019: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 28.-30.10.2019, Tampere. ed. / Juha Vinha; Tuomas Raunima. Vol. Seminaarijulkaisu 6 Tampere : Tampereen yliopisto, Rakennustekniikka, 2019. p. 103-110.

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

Betonin kosteustekniset materiaaliominaisuudet ja mittausmenetelmän kehittäminen. / Tuominen, Eero; Vinha, Juha; Tuominen, Olli; Vääntinen, Kari; Vainio, Maarit.

Rakennusfysiikka 2019: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 28.-30.10.2019, Tampere. ed. / Juha Vinha; Tuomas Raunima. Vol. Seminaarijulkaisu 6 Tampere : Tampereen yliopisto, Rakennustekniikka, 2019. p. 111-116.

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

Puuelementtien välisen sauman tiivistys kumitiivisteellä. / Tuominen, Eero; Vinha, Juha; Naskali, Jarno.

Rakennusfysiikka 2019: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 28.-30.10.2019, Tampere. ed. / Juha Vinha; Tuomas Raunima. Vol. Seminaarijulkaisu 6 Tampere : Tampereen yliopisto, Rakennustekniikka, 2019. p. 125-129.

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

Behavior of capacitive humidity sensors in monitoring the drying of concrete walls. / Tuominen, Eero; Vinha, Juha; Raunima, Tuomas.

In: MATEC Web of Conferences, Vol. 282, 02053, 2019.

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

Calculation method to determine capillary properties of building materials with automatic free water intake test. /

Tuominen, Eero; Vinha, Juha.

In: MATEC Web of Conferences, Vol. 282, 02037, 2019.

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

Thermal and moisture properties of calcium silicate insulation boards. / Tuominen, Eero; Tuominen, Olli; Vainio, Maarit; Ruuska, Tiina; Vinha, Juha.

In: MATEC Web of Conferences, Vol. 282, 02065, 2019.

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

Uncertainty in the early phase of a municipal building refurbishment project-A case study in Finland. / Uotila, Ulrika; Saari, Arto; Junnonen, Juha Matti.

In: Buildings, Vol. 10, No. 8, 137, 01.08.2020.

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. /

Veber, Alexander; Lu, Zhuorui; Vermillac, Manuel; Pigeonneau, Franck; Blanc, Wilfried; Petit, Laeticia.

In: Fibers, Vol. 7, No. 12, 2019.

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

Airtightness of residential buildings in Finland. / Vinha, Juha; Manelius, Elina; Korpi, Minna; Salminen, Kati; Kurnitski, Jarek; Kiviste, Mihkel; Laukkarinen, Anssi.

In: Building and Environment, Vol. 93, No. P2, 01.11.2015, p. 128-140.

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

Uudessa COMBI-hankkeessa tutkitaan energiatehokkaan palvelurakentamisen haasteita ja ratkaisuja. / Vinha, Juha ; Hedman, Markku; Sirén, Kai; Harsia, Pirkko; Pentti, Matti; Teriö, Olli ; Heljo, Juhani; Laukkarinen, Anssi ; Annala, Petri; Kaasalainen, Hannu ; Jokisalo, Juha; Pihlajamaa, Pirkko.

Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere.. ed. / Juha Vinha; Tiina Ruuska. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 487-496 (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; No. 4).

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

COMBI-hankkeen suositukset korkeatasoisten ja kosteusturvallisten palvelurakennusten toteuttamiseksi - COMBI 8. /

Vinha, Juha; Laukkarinen, Anssi.

Rakennusfysiikka 2019: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 28.-30.10.2019, Tampere. ed. / Juha Vinha; Tuomas Raunima. Vol. Seminaarijulkaisu 6 Tampere : Tampereen yliopisto, Rakennustekniikka, 2019. p. 217-222.

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

A slotted patch antenna for wireless strain sensing. / Yi, Xiaohua; Cho, Chunhee; Cook, Benjamin; Wang, Yang; Tentzeris, Manos M.; Leon, Roberto T.

Structures Congress 2014 - Proceedings of the 2014 Structures Congress. American Society of Civil Engineers ASCE, 2014. p. 2734-2743.

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

Crack propagation measurement using a battery-free slotted patch antenna sensor. / Yi, Xiaohua; Cho, Chunhee; Wang, Yang; Cook, Benjamin; Tentzeris, Manos M.; Leon, Roberto T.

7th European Workshop on Structural Health Monitoring, EWSHM 2014 - 2nd European Conference of the Prognostics and Health Management (PHM) Society. INRIA, 2014. p. 1040-1047.

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

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

Xiaohua; Cho, Chunhee; Cooper, James; Wang, Yang; Tentzeris, Manos M.; Leon, Roberto T.

In: Smart Materials and Structures, Vol. 22, No. 8, 085009, 08.2013.

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

Passive frequency doubling antenna sensor for wireless strain sensing. / Yi, Xiaohua; Cho, Chunhee; Wang, Yang; Cook, Benjamin S.; Cooper, James; Vyas, Rushi; Tentzeris, Manos M.; Leon, Roberto T.
ASME 2012 Conference on Smart Materials, Adaptive Structures and Intelligent Systems, SMASIS 2012. Vol. 1 2012. p. 625-632.

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

Wireless crack sensing using an RFID-based folded patch antenna. / Yi, X.; Wang, Y.; Leon, R. T.; Cooper, J.; Tentzeris, M. M.

Bridge Maintenance, Safety, Management, Resilience and Sustainability - Proceedings of the Sixth International Conference on Bridge Maintenance, Safety and Management. 2012. p. 824-830.

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

Sensing resolution and measurement range of a passive wireless strain sensor. / Yi, X.; Wu, T.; Lantz, G.; Cooper, J.; Cho, C.; Wang, Y.; Tentzeris, M. M.; Leon, R. T.

Structural Health Monitoring 2011: Condition-Based Maintenance and Intelligent Structures - Proceedings of the 8th International Workshop on Structural Health Monitoring. Vol. 1 2011. p. 759-766.

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

Two models for hydraulic cylinders in flexible multibody simulations. / Ylinen, Antti; Mäkinen, Jari; Kouhia, Reijo.

Computational Methods for Solids and Fluids: Multiscale Analysis, Probability Aspects and Model Reduction. Springer, 2016. p. 463-493 (Computational Methods in Applied Sciences; Vol. 41).

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