

Uncertainty in the early phase of a municipal building refurbishment project-A case study in Finland

Hot-box measurements to investigate the internal convection of highly insulated loose-fill insulation roof structures

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

Heat protective properties of enclosure structure from thin-wall profiles with foamed concrete

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

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

Reply to the discussion by koutsoftas on "evaluation of sample quality from different sampling methods in finnish soft sensitive clays"<sup>1</sup>

Impacts of multiple refurbishment strategies on hygrothermal behaviour of basement walls  
Julkaisun otsikon käännös: : Maanvastaisten seinien korjausvaihtoehtojen lämpö- ja kosteustekninen toiminta

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

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

Behaviour of riveted stringer-to-floorbeam connections in cyclic load tests to failure

Parametric study on temperature distribution of square hollow section joints

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

Assessing population vulnerability towards summer energy poverty  
Case studies of Madrid and London

Initial axial stiffness of welded RHS T joints

A life cycle assessment of two residential buildings using two different LCA database-software combinations  
Recognizing uniformities and inconsistencies

Evaluating retrofit options in a historical city center  
Relevance of bio-based insulation and the need to consider complex urban form in decision-making

Alkali-silica reaction in finnish swimming pools

Behavior of capacitive humidity sensors in monitoring the drying of concrete walls

Betonin kosteustekniset materiaaliominaisuudet ja mittausmenetelmän kehittäminen

Buckling length assessment with finite element approach

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

COMBI-hankkeen paine-eromittausten yhteenveto

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

Comparison between calculated and billed building energy consumption values of schools and daycare centers

Huokoisten puukuitu- ja kipsilevytuulensuojalevyjen homehtumisherkyys

Ilmakehän pitkäaaltoinen säteily rakennusfysikaalisissa laskentatarkasteluissa

Kapasitiivisten kosteusantureiden käyttäytyminen betoniseinien ja kipsivalulattioiden kuivumisen seurannassa

Kipsilevytuulensuojallisten puurunkoisten ulkoseinärakenteiden rakennusfysikaalinen toiminta

Koulujen ja päiväkotien sisäilman lämpötilan, suhteellisen kosteuden ja hiilidioksidipitoisuuden mittaukset COMBI-hankkeessa

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

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

Performance of Variable Partial Factor approach in a slope design

Puuelementtien välisen sauman tiivistys kumitiivisteellä

Puurunkoisten ulkoseinien liitosten lämpö- ja kosteustekninen toiminta

Rakennuksen ulkovaipan yli vaikuttavien paine-erojen määrittäminen rakennusfysikaalisia laskentatarkasteluja varten

Remote diagnostics application software for remote handling equipment

Second-order analysis of prestressed concrete columns

Thermal and moisture properties of calcium silicate insulation boards

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

Condensation at the exterior surface of windows

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

Investigating the kinetics and biofuel properties of *Alstonia congensis* and *Ceiba pentandra* via torrefaction

An approach to combining related notifications in large-scale building management systems with a rehabilitation facility case study

Characterization of elastic constants of anisotropic composites in compression using digital image correlation

Cold-formed RHS T joints with initial geometrical imperfections

Core Project Team As a Management Entity for Construction Projects

Fatigue loading tests of concrete railway sleepers

Julkisivujen ja parvekkeiden talvikorjaus 2018

Techno-economic evaluation of integrating torrefaction with anaerobic digestion

Utilizing the innovation potential of suppliers in construction projects

Initial in-plane rotational stiffness of welded RHS T joints with axial force in main member

The effect of steel grade on weight and cost of warren-type welded tubular trusses

Kosteusvaurioiden vakavuus kuntien rakennuksissa

Maanvastaisten seinien lämpö- ja kosteustekninen toiminta

Paine-erot Pirkanmaan ja Helsingin julkisissa palvelurakennuksissa

Puukerrostalon työmaavaiheen lämpö- ja kosteusolosuhteiden mittaukset

Puukerrostalorakentamisen kosteudenhallinta

Relationships among Civil Engineering Students' Approaches to Learning, Perceptions of the Teaching-Learning Environment, and Study Success

Julkisivujen ja parvekkeiden talvikorjausohje

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

Carbon dioxide permeability of building materials and their impact on bedroom ventilation need

The effect of matrix type on ageing of thick vinyl ester glass-fibre-reinforced laminates

Effect of energy measures on the values of energy efficiency indicators in Finnish daycare and school buildings

Output power variation of different PV array configurations during irradiance transitions caused by moving clouds

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

The corrosion rate in reinforced concrete facades exposed to outdoor environment

Designers' performance evaluation in construction projects

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

Instrumentation and fe analysis of a large-span culvert built under a railway, in Finland

Editorial to "The best papers from the 32nd International Symposium on Automation and Robotics in Construction and Mining (ISARC 2015)"

Consideration of energy consumption, energy costs, and space occupancy in Finnish daycare centres and school buildings

Solar Panel Breakage During Heavy Rain Caused by Thermal Stress

Energy saving and indoor climate effects of an added glazed facade to a brick wall building  
Case study

Stress relaxation in tempered glass caused by heat soak testing

Eriste- ja levyrappaus 2016, by 57

The effect of climate change on freeze-thaw durability of concrete structures in Finland

Effects of strain rate and confining pressure on the compressive behavior of Kuru granite

Energy saving in working hydraulics of long booms in heavy working vehicles

The effect of climate change on the amount of wind driven rain on concrete facades

Mapping indoor overheating and air pollution risk modification across Great Britain  
A modelling study

Tuulettuvat julkisivut 2016, by 64

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

Bus Transportation Accessibility - Does It Impact Housing Values?

Effects of added glazing on Balcony indoor temperatures  
Field measurements

Practical experiences from several moisture performance assessments

Surrogate modeling for initial rotational stiffness of welded tubular joints

Two models for hydraulic cylinders in flexible multibody simulations

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

Improving the thermal performance of concrete-sandwich envelopes in relation to the moisture behaviour of building structures in boreal conditions

Airtightness of residential buildings in Finland

ÄKK-hankkeen suositukset tulevaisuuden ääneneristysmääräyksiä koskien

Menetelmä parvekelasien ääneneristävyyden mitoittamiseksi liikennemelualueilla

Puurunkoisten tuuletettujen yläpohjien kosteustekninen toiminta

Puuvälipohjien akustiset ominaisuudet

Koko Julkisivua peittävän lasijulkisivun vaikutus Etelä-Ruotsissa sijaitsevan rakennuksen energiatehokkuuteen

Lasitetun parvekkeen lämpötilan ja lämpöhäviöiden laskenta

Raudoitteiden korroosionopeuden määrittäminen betonijulkisivussa korkean aikaresoluution säädätin avulla

Uudessa COMBI-hankkeessa tutkitaan energiatehokkaan palvelurakentamisen haasteita ja ratkaisuja

Assessing uncertainty in housing stock infiltration rates and associated heat loss  
English and UK case studies

Acoustics of vanished 19th century concert halls in Helsinki

Auralization of vanished 19th century concert halls in Helsinki

Tuulettuvien yläpohjien lämpö- ja kosteustekninen toiminta nykyisessä ja tulevaisuuden ilmastossa

Impact of building usage and occupancy on energy consumption in Finnish daycare and school buildings

Analysis of thermo-active pile structures and their performance under groundwater flow conditions

Divertor remote handling for DEMO  
Concept design and preliminary FMECA studies

Urban social housing resilience to excess summer heat

Role and nature of systemic innovations in construction and real estate sector

Understanding fundamental and practical ingredients of construction project data management

Measured energy consumption of educational buildings in a Finnish city

The assessment of constructability  
BIM cases

ÄKK Loppuraportti  
rakennusten ääniolosuhteiden käyttäjälähtöinen kehittäminen

Debonding and impact damage in stainless steel fibre metal laminates prior to metal fracture  
Julkaisun otsikon käännös: : Debonding and impact damage in stainless steel fibre metal laminates prior to metal fracture

Experimental study on the behavior of wear resistant steels under high velocity single particle impacts

Pyöräväylien tiedot ja laatutaso

Structural analysis of tubular truss in fire

The target reliability of the eurocodes

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

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

Evaluation of thermo-mechanical behaviour of composite energy piles during heating/cooling operations

Commissioning for nearly zero-energy building projects

Stretching risk management standards  
Multi-organizational perspectives

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

The relative importance of input weather data for indoor overheating risk assessment in dwellings

Using probabilistic sampling-based sensitivity analyses for indoor air quality modelling

A slotted patch antenna for wireless strain sensing

BIM based schedule control for precast concrete supply chain

Crack propagation measurement using a battery-free slotted patch antenna sensor

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

Integration of BIM and automation in high-rise building construction

Implementation of a direct procedure for critical point computations using preconditioned iterative solvers

Financial viability of energy-efficiency measures in a new detached house design in Finland

Liikennetekniikan perusteet  
Opetusmoniste

Passive frequency doubling antenna sensor for wireless strain sensing

Structural behaviour of long integral abutment bridges

Wireless crack sensing using an RFID-based folded patch antenna

Cost optimal and nearly zero (nZEB) energy performance calculations for residential buildings with REHVA definition for nZEB national implementation

Briefing  
Initial findings from the urba project

Sensing resolution and measurement range of a passive wireless strain sensor

Shear buckling and resistance of thin-walled steel plate at non-uniform elevated temperatures

Computational design concept analysis  
A Nordic comparison of four apartment buildings

Precision refurbishment of buildings  
A façade refurbishment case study

Project feedback as a tool for learning

Lähtökohtia tie- ja rataverkon peruspalvelutason määrittämiselle

Strategy formation in construction firms