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Publications:

Thermo-active building systems and sound absorbers: Thermal comfort under real operation conditions
Publication: Research - peer-review › Journal article – Annual report year: 2018

Numerical analysis of the potential of using light radiant ceilings in combination with diffuse ventilation to achieve thermal comfort in NZEB buildings
Publication: Research - peer-review › Paper – Annual report year: 2017

Potentielle energibesparelser i CTS-systemer i kontorbygninger
Publication: Communication › Journal article – Annual report year: 2017

Proposing a Central AEC Ontology That Allows for Domain Specific Extensions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Recent changes in the Building Topology Ontology
Publication: Research - peer-review › Paper – Annual report year: 2017

Roof windows in low-energy buildings - Analyses of demands and possibilities for future product development
Publication: Research › Ph.D. thesis – Annual report year: 2017

The cost efficiency of improved roof windows in two well-lit nearly zero-energy houses in Copenhagen
Publication: Research - peer-review › Journal article – Annual report year: 2017

The effect of dynamic solar shading on energy, daylighting and thermal comfort in a nearly zero-energy loft room in Rome and Copenhagen
Publication: Research - peer-review › Journal article – Annual report year: 2017

Web-based topology queries on a BIM model
Publication: Research - peer-review › Paper – Annual report year: 2017

An Methodology for Quality Control and Draught Assessment of Room Ventilation Supply Using Laser Light Sheets
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
Do new and renovated schools and kindergartens secure sufficiently high indoor environmental quality?
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Experimental study of the heat transfers and passive cooling potential of a ventilated plenum designed for uniform air distribution
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Field Study of Diffuse Ceiling Ventilation Performance in a Landscape Office
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Roadmap for improving roof and façade windows in nearly zero-energy houses in Europe
Publication: Research - peer-review › Journal article – Annual report year: 2016

Evaluation of ventilation solutions for retrofitting of schools
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Impact of façade window design on energy, daylighting and thermal comfort in nearly zero-energy houses
Publication: Research - peer-review › Journal article – Annual report year: 2015

A simple tool to evaluate the effect of the urban canyon on daylight level and energy demand in the early stages of building design
Publication: Research - peer-review › Journal article – Annual report year: 2014

Experimental investigations of heat transfer in thermo active building systems in combination with suspended ceilings
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Low-energy mechanical ventilation: a case study of two new office buildings
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Numerical investigation of diffuse ceiling ventilation in an office under different operating conditions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Optimized damper control of pressure and airflow in ventilation systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Simulation of static pressure reset control in comfort ventilation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Boundary conditions for the use of personal ventilation over mixing ventilation in open plan offices
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Experimental study of perforated suspended ceilings as diffuse ventilation air inlets
Publication: Research - peer-review › Journal article – Annual report year: 2013

Investigation and description of European buildings that may be representative for "nearly-zero" energy single family houses in 2020
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Performance analysis of a new design of office diffuse ceiling ventilation system
Publication: Research - peer-review › Journal article – Annual report year: 2013
Simple tool to evaluate the impact of daylight on building energy consumption
Publication: Research - peer-review › Journal article – Annual report year: 2008

A method for evaluating the problem complex of choosing the ventilation system for a new building
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

A method for evaluating the problem complex of choosing the ventilation system for a new building
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2006

Naturlig ventilation kombineret med varmegenvinding og natkøling
Publication: Communication › Journal article – Annual report year: 2007

Naturlig ventilation med varmegenvinding
Publication: Communication › Journal article – Annual report year: 2006

Projects:

Demonstration of energy savings and indoor climate with sustainable adiabatic cooling using rainwater
Project

Self-reuating integrated ceiling solutions for heating, cooling, ventilation and acoustics in buildings based on renewable energy sources
Project: PhD

Digital infrastructure and Building Information Models in the design and planning of building services
Project: PhD

Renew school - Sustainable school building renovation promoting timber prefabrication, indoor environment quality and active use of renewables
Project

Energy-efficient ventilation with optimized damper control of flow and pressure
Project

Fremtidens ovenlysvinduer- Konceptstudier med henblik på energirigtig og helhedsmæssig produktudvikling
Project: PhD

Belysningssystemer baseret på LED og OLED til bygninger med avanceret dagslysstyring
Project: PhD

Energy performance of ventilation, heating and cooling systems integrated in sandwich panel of high performance concrete
Project: PhD

Naturlig ventilation med bygningsintegreret varmegenvinding og nattekøling
Project

Nye typer bygningsintegrerede ventilationsløsninger med flere funktioner
Project: PhD
Udvikling af værktøjer til at fremme energieffektiv anvendelse af solafskærmninger.

Project

Activities:

Grønne forretningsmodeller
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.