Morten Hjorslev Hansen

Organisations

Department of Civil Engineering
02/02/2010 → 11/05/2015 Former
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VIP

Research outputs:

Estimation of transfer coefficients in models for coupled heat and moisture transfer in porous media

General information
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Organisations: Department of Civil Engineering
Contributors: Hjorslev Hansen, M.
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Projects:

Hygrothermal assessment of north facing, cold attic spaces under the eaves with varying structural roof scenarios
Jensen, N. F., Contact Person, Design and Processes, Department of Civil Engineering
Bjarlev, S. P., Project Manager, Design and Processes, Department of Civil Engineering
Johnston, C. J., Collaborative Partner
Pold, C. F. H., Collaborative Partner, Goritas A/S
Hjorslev Hansen, M., Collaborative Partner
Peuhkuri, R. H., Collaborative Partner
01/01/2014 → 01/01/2019
Collaborators: Danish Building Research Institute, Fonden BYG-ERFA
Documents:
Deriving process for Equation 8
Polynomial trendlines and flow relation
Processed data_Phase2
Raw data_Phase1
Raw data_Phase1_Re-arranged
Raw data_Phase2
Raw data_Pressure measurements
Raw data_Tracer gas experiment
Summary of key results
Supplementary graphs for research article
VTT mould model

Project: Research
modelAttic - an OpenModelica model to examine the hygrothermal conditions in a cold, north-facing attic space under the eaves

The research project was co-funded by the Landowners' Investment Foundation (Grundejernes Investeringsfond) (GI) and supervised by Associate Professor Søren Peter Bjarløv.

Johnston, C. J., Contact Person, Energy and Services, Department of Civil Engineering
Bjarløv, S. P., Project Manager, Design and Processes, Department of Civil Engineering
Hjorslev Hansen, M., Collaborative Partner
Peuhkuri, R. H., Collaborative Partner, Danish Building Research Institute
Pold, C., Collaborative Partner, Goritas
Jensen, N. F., Collaborative Partner, Design and Processes, Department of Civil Engineering

01/09/2017 → 01/09/2018

Nature of activity type: Practical Project
Collaborators: Fonden BYG-ERFA, Goritas, Danish Building Research Institute

Documents:
User guide - modelAttic
modelAttic - OpenModelica model
Miscellaneous weather files
Info on experimental setup
Excel sheet to clean output data
Data used for evaluation
Casper Pold's MSc Thesis

Project: Research

Estimation of transfer coefficients in models for coupled heat and moisture transfer in porous media

Hjorslev Hansen, M., PhD Student, Department of Structural Engineering and Materials
Nielsen, A., Main Supervisor
Gammel ordning u/skema-SU
15/08/1987 → 23/03/1994

Award relations: Estimation of transfer coefficients in models for coupled heat and moisture transfer in porous media
Project: PhD

Ventilationsforhold i kolde tagrum som skunkrum og hanebåndslofter i konstruktioner med diffusionsåbne undertage – Etape 2.

Bjarløv, S. P., Project Participant, Department of Civil Engineering, Section for Building Design
Johnston, C. J., Project Participant, Department of Civil Engineering, Section for Building Physics and Services
Peuhkuri, R. H., Project Participant, Department of Civil Engineering, Section for Indoor Environment
Hjorslev Hansen, M., Project Participant, Department of Civil Engineering

Project ID: Projekt nr. 26390
01/11/2013 → 31/12/2015

Documents:
Ansøgning om midler til forskningsprojekt om ventilation af uisolerede tagrum - etape 2

User Guide to modelAttic - An OpenModelica model to examine the hygrothermal conditions in a cold, north-facing attic space under the eaves

2019.01.20_Skunkrum etape 2 slutrapport

Project: Research

Ventilationsforhold i skunke og hanebåndslofter i konstruktioner med diffusionsåbne undertage

Hjorslev Hansen, M., Project Participant, Department of Civil Engineering, Section for Building Design

Project ID: 26077

Forsk. Private danske - Fonde: DKK588,900.00

01/05/2010 → 31/12/2011

Award relations: Ventilationsforhold i skunke og hanebåndslofter i konstruktioner med diffusionsåbne undertage

Project: Research