PhD defence

PCM ENHANCED VENTILATED WINDOW - CONFIGURATION AND CONTROL STRATEGY DEVELOPMENT

28 MAY 2020
at 9:00-13:00

Due to the Covid-19 situation, the PhD defence will be carried out via Skype for Business.

YUE HU
PHD DEFENCE BY YUE HU
PCM enhanced ventilated window - configuration and control strategy development
PhD defense organized by Department of the Built Environment, Aalborg University

TIME
Thursday 28 May 2020, 9:00 – approx. 13:00

HOW TO PARTICIPATE
Due to the Covid-19 situation, the PhD defence will be carried out via Skype for Business. Please send an email to Linda Vabbersgaard Andersen no later than 26 May 2020 and you will get an invite for the event or a copy of thesis if requested.

SUMMARY OF THE THESIS
Yue Hu will present her thesis “PCM enhanced ventilated window - configuration and control strategy development”, describing the significance of applying phase change material into a ventilation system for building energy storage and conservation. The PCM enhanced ventilated window is developed and tested both experimentally and numerically. The results highlight the high energy saving potential of the system with the optimized configurations and control strategies for both summer night cooling application and winter solar energy storage application. The research has been conducted as part of the H2020 project RECO2ST (Grant agreement No. 768576).

ASSESSMENT COMMITTEE
• Assoc. Prof. Tine Steen Larsen, Dept. of the Built Environment, AAU (chairman)
• Prof. Marco Perino, Politecnico di Torino, Italy
• Prof. Guilherme Carrilho da Graca, University of Lisbon, Portugal

PHD SUPERVISORS
• Supervisor, Prof. Per Heiselberg, Dept. of the Built Environment, AAU

MODERATOR
• Assoc. Prof. Rasmus Lund Jensen, Dept. of the Built Environment, AAU

GRADUATE PROGRAMME
• Civil Engineering

PROGRAM
09:00: Welcome by Moderator
09:05: Lecture and presentation by Ph.D. student (45 min)
09:50: Break
During the break, participants can email questions to the chairman, Rasmus Lund Jensen rlij@build.aau.dk. If such are received, the questioner puts them forward after the assessment committee has finalized their question and answer round
10:00: The assessment committee is asking questions to the work
12:00: End of defense. The assessment committee enters another “room”, evaluates and writes the final assessment
12:45 (approx.): The assessment committee rejoins the “Defence room” and announces its decision
13:00: End of event