

AUGUST 3 -5 2015 KARLSRUHE, GERMANY

Announcement

Energy related occupant behavior in buildings, for example adjusting thermostats for comfort, switching lights, and moving between spaces has a significant impact on real energy use and indoor environmental quality. Therefore, it is a key issue for building design optimization, energy diagnosis, performance evaluation, and building energy simulation. However, the influence of occupant behavior is under-estimated or over-simplified in the design, construction, operation, and retrofit of buildings.

The IEA EBC Annex 66 aims to set up a standard occupant behavior definition platform, and establish a quantitative simulation methodology to model occupant behavior in buildings. This will result in a better understanding of the influence of occupant behavior on building energy use and the indoor environment

Registration

International Symposium

Daytime (excl. banquet): 120 € Banquet 30 €

2nd Expert Meeting of IEA EBC Annex 66

Daytime (2 days) and

Evening Dinner at 1st day) 50 €

Symposium and Annex Meeting 180 €

For registration and further information, please visit

http://annex66.org/KarlsruheMeeting







Program

International Symposium

Venue

Gartensaal, Karlsruhe Palace (Schloss Karlsruhe)

Date:

Monday, August 3 2015

Program

09:30 Start registration

Welcome

10:00 Welcome and Introduction
Andreas Wagner, Karl-Friedrich
Ziegahn (Karlsruhe Institute of
Technology)

Session 1 Occupant behavior from an engineering perspective

10:15 Keynote 1:: From total energy use in buildings to occupant behavior Bjarne Olesen (Technical University of Denmark)

10:45 Rebound effects in residential apartment buildings after refurbishment

Dirk Müller (RWTH Aachen

University)

11:05 Simulation of pedestrian behavior with the Social Force Model Tobias Kretz (PTV Group)

11:25 Coffee break

Session 2 Occupant behavior from a psychological/sociological perspective

11:45 Keynote 2:: Promoting behavior change of occupants
Ellen van der Werff (University of Groningen)

12:15 Insights into occupants' satisfaction at workplaces: method and results from field studies

Karin Schakib-Ekbatan (IREES)

12:35 Inferring cognitive states from behavioral data: Examples from driving simulation studies
Gerhard Rinkenauer (IfADO)

12:55 Lunch break

Session 3 Occupant behavior from an industry perspective

Keynote 3: Building Automation as a key to manage occupant demand and energy performance Dirk John (ABB AG)
 Detecting energy in-efficiency – an effective and smart approach Giel van Giersbergen (Cofely)
 Technological implementation of occupant behavior in energy efficiency solutions for buildings Janis Anders (Kieback & Peter)

Coffee break

15:10

PhD Session

~19:00

15:30 8 x 5' presentations with short panel comments and discussion
Call open until end of June - please contact marcel.schweiker@kit.edu for further information

17:00 End of symposium

Banquet

2nd Expert Meeting IEA EBC Annex 66

Venue

Faculty of Architecture, (Karlsruhe Institute of Technology)

Date

Tuesday, August 4 - Wednesday, August 5

Program

10:00 - 17:00 General discussions and sub-task sessions.

Dinner and evening event on Tuesday.