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
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
14:00 Keynote 3: Building Automation as a key to manage occupant demand and energy performance
Dirk John (ABB AG)
14:30 Detecting energy inefficiency – an effective and smart approach
Giel van Giersbergen (Cofely)
14:50 Technological implementation of occupant behavior in energy efficiency solutions for buildings
Janis Anders (Kieback & Peter)
15:10 Coffee break

PhD Session
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
19:00 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.