



Workshop: Energy Flexible Buildings Results and Ongoing Research in IEA EBC Annex 67

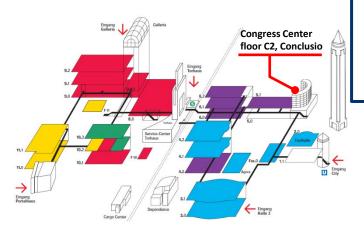
In many countries, the growing part of renewable energy sources in the energy system goes hand in hand with increased electrification of the energy demand, i.e. replacement of oil or gas boilers with heat pumps or increased penetration of electrical vehicles.

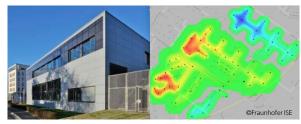
Another challenge for the low-voltage-network designers is the large scale application of a new type of buildings, which not only consume but also generate energy - commonly called prosumers. Buildings are considered as a part of the solution to alleviate challenges in the future demand-respond energy systems.

Currently there is limited overview or insight into how much Energy Flexibility different building types and their usage may be able to offer to future energy systems. Goal of the IEA (International Energy Agency) EBC (Energy in Buildings and Communities program) Annex 67 "Energy Flexible Buildings" is to increase knowledge and demonstration of the Energy Flexibility in buildings.

ISH 2017 Frankfurt am Main, 14.-18.03.2017

Workshop "Energy Flexible Buildings" Tuesday, March 14 2017 Congress Center, Room "Conclusio" (floor C2) 13:30 - 17:30





Office / lab building with façade-integrated PV (left) and simulation of voltage characteristic in a grid with high PV penetration (right)

Workshop Program

- 13:30 Introduction: Annex 67 Søren Østergaard Jensen, Operating Agent Danish Technological Institute DTI
- 13:45 energy flexibility grid perspective Bernhard Wille-Hausmann, Fraunhofer ISE
- 14:15 Evaluation concepts for grid-supportive buildings Sebastian Stinner, RWTH Aachen University
- 14:45 coffee break
- 15:00 Identification of potential flexible residents Rongling Li, Technical University of Denmark
- 15:30 cost saving potential of energy-efficient and grid-friendly operation of office buildings Francesco Massa, Robert Bosch GmbH
- 16:00 grid-supportive buildings: different flexibility options and their impact on efficiency Konstantin Klein, Fraunhofer ISE
- 16:30 coffee break
- 16:50 conclusions and discussion Søren Østergaard Jensen, Peter Engelmann DTI, Fraunhofer ISE
- 17:30 end of workshop

contact and cost

the workshop is attendance free, valid ticket for ISH necessary

contact / organisation:

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IEA EBC Annex 67

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