

AGENDA – ‘Flexibility and Buildings’ Workshop

26 August 2015

Venue: Building 101, Room S10 (ground floor), DTU Campus

Date: Monday, 7 September 2015

Abstract/purpose

Nowadays, the high penetration of renewables calls for flexibility options more than ever. This need is expected to be realized partly within the building stock, so that energy generation and demand are matched thus contributing to the overall stabilization of the energy grid. This workshop, organized by CITIES - Work Package 3, aims at getting people together within the CITIES project, who are working with flexibility in building energy and city scale modelling, to get an overview of the different researchers’ activities in this area, exchange experiences and identify areas of cooperation. Moreover, it is expected that some clear research directions will be defined through constructive discussion of how flexibility can be introduced to building energy.

Program

10:00-10.20: Alfred Heller, DTU Byg, *‘Getting the perspective of flexibility for CITIES WP3’*

10.20-10.40: Per Bromand Nørgård, DTU Elektro, *‘Characterisation and quantification of flexibilities in the energy exchanges between buildings and the energy system(s)’*

10.40-11.00: Peder Bacher, DTU Compute, *‘Guidelines for modelling the heat dynamics of buildings’*

11.00-11.20: Pierre Vogler Finck, NeoGrid Technologies, *‘Towards a more optimised control of heating in households’*

11.20-11.40: Steffen Petersen’s group, Aarhus University, *‘On the smart energy potential of buildings’*

11.40-12.00: Christian Holm Andersen, Danish Technological Institute, *‘Retrofitting Existing Buildings for Energy Flexibility’*

12.00-13.00: Lunch

13.00-14.30: Per Dahlgaard Pedersen, NeoGrid Technologies, *‘TotalFlex demonstration’*

14:30-14:45 Break

14:45-16:00 Discussion of possible cooperation and follow-up, conclusion

