

Welcome

The Faculty of Science and Technology of Universidade Nova de Lisboa (FCT-UNL) and the National Energy and Geology Laboratory (LNEG) are pleased to announce the 2nd Net Zero-Energy Buildings Conference.

The second edition of conference is organized as a joint event with the EBC Annex 67 - Energy Flexible Buildings and is dedicated to recent developments on Net Zero-Energy Buildings in Smart Cities where buildings are interactive nodes in the city energy flows featuring diverse renewable energy sources.

In this context, the conference will feature presentations that highlight current challenges and emerging initiatives on the role of energy flexibility (in demand and supply) of buildings and the impact on the grid.

The conference aims to provide a platform for scientists, researchers, engineers, professionals, entrepreneurs, policy-makers and students to engage and discuss emerging trends in the field.

2nd Net Zero-Energy Buildings Conference

*New Challenges for NZEB in Smart Cities
Energy Flexibility and Building to Grid Interaction*



Auditorium Leopoldo Guimarães (CENIMAT), FCT-UNL
Campus de Caparica

Tuesday 29th September, 2015

Event organizers

Daniel Aelenei, FCT-UNL

Helder Gonçalves, LNEG

João Martins, FCT-UNL

Laura Aelenei, LNEG

Find out more information on:

<http://sites.uninova.pt/fbuildings/home>

ORGANIZERS



With support of



Media partners



08:30 – 09:15	Registration and Reception
09:15 – 09:40	Opening of Conference Teresa Ponce de Leão, President of LNEG Fernando Santana, Dean of FCT-UNL
	SET PLAN (Strategic Energy Technology Plan) and Horizon 2020 Helder Gonçalves, LNEG, Portugal
	Energy Flexible Buildings, Operating Agent Annex 67 Søren Østergaard Jensen, DTI, Denmark
10:30 – 11:00	Break
	Electric mobility in future Buildings João Peças Lopes, INESC Porto
11:00 – 12:30	Strategies of Energy Flexible Buildings and Districts Henrik Madsen, TUD, Denmark
	Smart Cities-Interactive buildings Paulo Ferrão, MIT Portugal
12:30 – 14:00	Free lunch

	NZEB an Interactive Building? Laura Aelenei, LNEG, Portugal
	NZEB in the local low-voltage grid environment Anna Marszal, Aalborg University
	Refurbishment challenges of NZEBs Manuela Almeida, University of Minho
14:00 – 15:30	About time-resolution in the analysis of grid interaction in NZEBs Jaume Salom, IREC, Spain
	Energy matching in NZEB Ala Hassan, VTT Technical Research Centre, Finland
	Analysis of thermal and electric hourly loads for a new Zero Emission neighbourhood in Norway Igor Sartori, SINTEF, Norway
15:30 – 16:00	Break
	Applications of Control Strategies and Energy Flexibility systems (with Industry participation) Schneider Siemens (tbc) NESTER
16:00 – 17:15	Energy flexible indicators, Rui Lopes, FCT/UNL
17:30	Closing of Conference
