

LECTURERS

Lecturers will be given by following experts:

Per K. Heiselberg

Professor Per Heiselberg has experience in research and development on energy efficient building design (Design of low energy buildings, integration of architectural and technical issues) as well as in building energy modeling (modelling of double skin facades, night cooling of buildings, multifunctional facades, daylight in buildings, passive energy technologies for buildings, building integrated renewable energy). He has participated in international research projects since 1988 (IEA-ECB&CS, EU). He has published more than 325 publications and given more than 20 invited lectures in the last five years in different countries (Europe, USA, China and Japan).

Topic of the lecture in the course: “Specifics of nZEB at the design, realization, commissioning, operation, financing”



Olena K. Larsen

Olena K. Larsen is an Associate Professor at Aalborg University in Denmark. She has participated in many international research projects since 2004 (COST Action – Adaptive Façade Network, PROFESSIONAL multi-disciplinary TRAIning and Continuing development in skills for NZEB principles, Modelling and simulation of intelligent facades, CLIMAWIN, EU Building AdVent etc.). She received professor P. Ole Fanger’s price for young researches in 2007.

Topic of the lecture in the course: “Overview of existing teaching material”



Jan Cromwijk

More than 10 years of experience as an educational technologist. Coordinating, writing and editing of teaching materials for initial and post-initial education, Coaching on didactics of experts writing teaching materials and/or qualification schemes, Creating learning networks focussed on craftsmanship in the building sector, Developing qualification schemes International: Project leader of the IEE-projects BuildUpSkillsNL 2011 – 2013 & BUS-N@W 2013-2015

Lectures in the course: "Mapping of Professional nZEB Skills" and "Blended learning for professionals"



Peter Op't Veld

Peter Op 't Veld (MSc) is senior consultant at Huygen Engineers & Consultants Engineers in Maastricht, the Netherlands. His key qualifications are consulting and applied scientific research on (renewable) energy, sustainability, indoor air quality, ventilation and building physics. For SenterNovem (now RVO) he was leading the program for the implementation of low temperature systems and the program for the implementation of innovative ventilation concepts in the Netherlands. In international projects he participated in IEA ECBCS Annex 27, 37, 40, 49, 50, 51 and 56.

Currently he is participating in IEA EBC Annex 64 and 66. He was coordinator of the European projects FP5 RESHYVENT: Demand controlled hybrid ventilation systems (2002-2004), IEE ECOLISH: Energy exploitation and performance contracting for low income and social housing (2007-2009), IEE IDES-EDU: Master and Post Graduate education and training in multi-disciplinary teams implementing EPBD and beyond (2010-2013) and EC FP6 REMINING-Lowex: Redevelopment of European mining areas into sustainable communities (2007-2012). Together with IRI University of Ljubljana and CVUT Prague he initiated a new and successful concept for Real Life Learning Labs in the EC DG EAC project EURL3A: European Real Life Learning Lab Alliance. Currently he is the



coordinator of two H2020 projects: MORE-CONNECT (EE1-2014) - Development and advanced prefabrication of innovative, multifunctional building envelope elements for MODular RETrofitting and smart CONNecTions and PROF-TRAC (EE4-2014) - PROFessional multi-disciplinary TRaining and Continuing development in skills for NZEB principles.

Since September 2014 he combines his job at Huygen with a part time position as visiting professor at Hasselt University, teaching building physics and building services.

Karel Kabele

Karel Kabele is full-time professor and head of the Department of Building Services Engineering at the Faculty of Civil Engineering of Czech Technical University in Prague (CVUT). He has extensive experience in many areas associated with the methodology of efficient building design, including energy conservation, computer modelling and simulation of energy and environmental performance, energy auditing, indoor environment prediction tools, heating and sanitary systems design. During his academic career of 25 years he has played a central role in the preparation of educational and professional materials and has developed excellent training skills through many years of delivering a wide variety of educational courses and seminars. He is guarantee of



CVUT master study programs “Buildings and Environment” and interdisciplinary program “Intelligent Buildings”. Since 2013 he is head of Indoor environmental quality research group at University Centre of Energy Efficient Buildings at CVUT. He was invited as visiting professor at National University of Singapore in 2007, 2011 and 2013, as external examiner at Hong Kong Polytechnic University and Technical University of Vienna, Austria.

Topic of the lecture in the course: “Energy systems for nZEB, computational tools for the evaluation energy performance of buildings, BIM”

Carolina Mateo

Dra. Carolina Mateo is EU manager at IVE. She is expert in urban policies, energy efficiency and low carbon culture and society. She has collaborated in regional and national research projects from competitive calls in the field of low carbon urban development and renewal strategies and the built environment. She has led and collaborated in several EU projects (EMPI-MED, Intelligent Energy and Climate KIC) in the same field. Within Climate KIC, she has been member of the challenge platform The built Environment since the beginning, representing the RICs. She's also leading the Valencian Region consortium at the Flagship Program Building Technologies Accelerator, and she has been involved from IVE in different innovation and pathfinder projects as Urbanlabs, Climate Market Accelerator – Less competition, ACCENT, OBBEC, RETRO-KIT, etc.



She's also scientific collaborator at Université Libre de Bruxelles (Belgium) since 2012. Lecturer at European University of Madrid in Sustainable Urban Planning and renewal strategies, Contemporary Critical Theory of Art and Architecture, and Architectural strategies nowadays at Architectural Degree since 2010. She has national scientific publications in the field of the built environment and she is keynote speaker in international educational programs at Riga University or Université Libre de Bruxelles. Keynote speaker in scientific congresses and EU climate change-related settings tackling low-carbon culture and society in different European locations.

Cristina Jareño Escudero

Cristina Jareño is project manager for EU projects and researcher at International R&D&i Department at IVE (Valencia Institute of Building). She is an architect from the Universidad Politécnica de Valencia (Polytechnic University of Valencia, Spain). She has extensive experience in the drafting of technical documents to support the pre-normative research of building process (Quality control plan, etc.). She has collaborated in regional and national research projects from competitive calls in the field of training, low carbon urban development, renewal strategies and the built environment. She has collaborated in several EU



projects from different programs (ENPI CBC MED, H2020, MED and Climate KIC) like PROF-TRAC: PROFeSSIONal multi-disciplinary TRAIning and Continuing development in skills for NZEB principles; GREEN SKILLS: Connecting people for Green Skills; REPUBLIC-MED: RETrofitting PUBLIC spaces in Intelligent MEDiterranean Cities; OBBeC: Office Building Behaviour Change and Gouv'airnance: Governance of air quality in the Mediterranean cities.