



Wstępna agenda seminarium dla polskich specjalistów **Warszawa, 6-7.06.2016r.**

Realizacja projektu KODnZEB pn. „Koncepcja dostosowania dwóch wybranych budynków do standardu niemal zero-energetycznego - KOD nZEB”.

Projekt finansowany jest ze źródeł programu operacyjnego PL04 „Oszczędzanie energii i promowanie odnawialnych źródeł energii” w ramach mechanizmu finansowego EEA.

Informacje główne

Termin seminarium: 6-7 czerwca 2016r.

Miejsce seminarium: Centrum Zarządzania Innowacjami i Transferem Technologii Politechniki Warszawskiej
ul. Rektorska 4, 00-614 Warszawa
sala 4.07 (IV piętro)

Organizator seminarium: Wydział Instalacji Budowlanych, Hydrotechniki i Inżynierii Środowiska Politechniki Warszawskiej, we współpracy z Norwegian University of Science and Technology z Trondheim
Centrum Zarządzania Innowacjami i Transferem Technologii Politechniki Warszawskiej

Program seminarium

06.06.2016 poniedziałek

9:00 – 10:00	Rejestracja uczestników seminarium
10:00 – 10:15	Przywitanie uczestników <i>Andrzej Wiszniewski / Jerzy Sowa</i>
10:15 – 10:45	About ZEB: What, Why <i>Arild Gustavsen</i>
10:45 – 11:30	Definitions and calculation rules, with examples <i>Inger Andresen</i>
11:45 – 12:00	Przerwa kawowa
12:00 – 12:30	Integrated energy design: What, Why, How <i>Inger Andresen</i>
12:30 – 13:15	Examples of retrofitted educational buildings – steps towards ZEB <i>Karin Buvik</i>
13:15 – 14:15	Lunch
14:15 – 15:00	Design with Low Carbon Materials <i>Inger Andresen</i>
15:00 – 15:45	Building structure-part 1: Lessons learned from ZEB research centre <i>Birgit Risholt</i>
15:45 – 16:00	Przerwa kawowa
16:00 – 16:45	Building structure-part 2: Requirements and pilot buildings <i>Birgit Risholt</i>
16:45 – 17:00	Podsumowanie seminarium
17:00 – 19:00	Czas wolny – zakwaterowanie uczestników seminarium w hotelu
19:00	Kolacja



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9:00 – 10:00	Daylighting <i>Barbara Matusiak</i>
10:00 – 10:45	Indoor environment and ventilation <i>Laurent Georges</i>
10:45 – 11:30	Efficient heating and cooling systems <i>Laurent Georges</i>
11:30– 11:45	Przerwa kawowa
11:45 – 12:30	Energy supply systems and discussion with CO₂eq factors <i>Laurent Georges/Inger Andresen</i>
12:30– 13:00	Performance verification of building components in large scale test facilities <i>Arild Gustavsen</i>
13:00 – 13:30	The next step: Zero Emissions Neighbourhoods <i>Arild Gustavsen</i>
13:30 – 14:30	Lunch
14:30 – 16:00	Założenia merytoryczne i organizacyjne cyklu seminariów dla ekspertów w poszczególnych ośrodkach akademickich <i>Piotr Narowski</i>
16:00 – 16:15	Zakończenie seminarium dla polskich ekspertów

About the lecturers:



Inger Andresen

Inger Andresen is a professor in Integrated Energy Design and teaches within the international MSc Program Sustainable Architecture. She is also leading continuing education courses on Zero Emission Buildings. Andresen is a leader of the research on pilot and demonstration buildings within the Research Centre on Zero Emission Buildings. She is also involved in the R&D project "Passive Climatization of buildings" in cooperation with SINTEF and several partners within the Norwegian building industry. In addition, she is involved in the research project "Planning Instruments for Smart Energy Communities".



Karin Buvik

Karin Buvik is master of architecture and senior researcher at SINTEF Building and Infrastructure. She is experienced in teaching, research and development within building design. Major subjects are functional and esthetical qualities in public buildings, and energy and environmentally friendly building design. She is author of guidelines in these topics on commission for the Ministry of Education and Research, and as part of various national and EU projects. Her most recent participation in EU projects: 'School of the Future – Towards Zero Emission with High Performance Indoor Environment' and 'Bringing Retrofit Innovation to Application in Public Buildings' (BRITA in PuBs).



Laurent Georges

Laurent Georges is associate professor at the Energy and Process Engineering Department at NTNU. Since 2011, he is strongly involved in work packages 3 and 5 of the FME ZEB center. His research essentially deals with active heating and cooling systems in ZEB, including design procedures and building performance simulation.



Arild Gustavsen

Arild Gustavsen is director of The Research Centre on Zero Emission Buildings (ZEB) and professor in building physics at Department of Architectural Design, History and Technology at the Norwegian University of Science and Technology (NTNU). He is also task leader in the EU project "Energy Efficiency for EU Historic Districts Sustainability" (EFFESUS - www.fffesus.eu) and project manager of the project "Window Technologies for Energy Efficient Buildings", where The Windows and Daylighting Group at Lawrence Berkeley National Laboratory is one of the partners.



Barbara Matusiak

Barbara Matusiak has seven years architectural practice. During this period she won several closed architectural competitions in Norway. She is now a Professor and Researcher at the Faculty of Architecture at NTNU. She has been involved in many scientific projects dealing with daylighting and artificial lighting in architecture, e.g. project leader for the bilateral Polish-Norwegian scientific project STEP, partner of the Translucent façade project and member of the SYN-TES, the Nordic network. Nowadays she is the leader of two NFR projects: “DayLighting” and “HOME”. She has established Light & Colour Group at the Faculty of Architecture at NTNU in 2011 and has been guiding the group since then.



Birgit Risholt

Research Manger Birgit Risholt has a PhD in zero energy renovation of dwellings focusing on sustainability assessment of renovation. She has a background as a mechanical engineer with 15 years' experience in building physics. Her expertise is in window technology, climate robustness of buildings, and sustainable renovation of dwellings and certification of construction products. Risholt is and a part of the management team of the National research centre on Zero Emission Buildings with responsibility for the activity Climate-adapted low-energy envelope technologies.