



Collaboration in Energy  
Efficiency in Nordic region

Northern European Energy Cluster Event (N-EEC), together with Umeå Kommun and University of Umeå and Luleå University of Technology proudly presents an open seminar about energy related issues

## Energy management and “smart” buildings in cold climate



The Northern European Energy Cluster (N-EEC) is a joint action initiated by three separate EU projects in the northern peripheral regions of Europe, i.e. Renovation Center funded by Interreg Botnia-Atlantica, e-Lighthouse funded by the Northern Periphery and Arctic Programme (NPA) and ICNB (Increasing Competence in Northern Building) funded by Interreg Nord. The core idea in N-EEC is to gather the strengths and best practices from each ongoing project and create added value by arranging several joint events on energy efficiency and retrofitting of buildings.



Local organizers



# Energy management and “smart” buildings in cold climate

**Date** Tuesday, 16<sup>th</sup> of October, 2018

**Time** 13:00 – 17:00, Starting with joint lunch from 12:00 at Universum

**Location:** Universitetsklubben, Universum, Umeå University, Johan Bures väg 8, 907 36 Umeå

**[Sign up here before 12<sup>th</sup> of October](#)**

## Program

12:00 **Lunch at Universum Restaurant Lingon, a table will be reserved under name N-EEC**

13:00 ***e-Lighthouse***

- Introduction, Antti Haapalahti, Oulu University of Applied sciences

13:10 **ICNB**

- Introduction, Sofia Lidelöw, Lulea University of Technology

13:20 **Renovation center**

- Introduction, Annika Glader, Novia, Vasa

13:30 **Cases and good examples from e-Lighthouse, ICNB and Nordic renovation center (10 – 15 min/presentation including time for questions)**

- Case Bergö skola, Annika Glader, NOVIA, Vasa
- Energy Monitoring and Analysis of a Passive house Preschool, Ronny Östin, Umeå University
- Energy management by conducting regression analyses of energy data, Ciaran Galvin, Cork County Council
- Enerkey, energy monitoring of municipal buildings, Olli Teriö, City of Oulu
- Energy Efficiency Management in Model Based Building Information, Peter Danielsen, UiT, Tromsø (by videolink)

14:40 **Coffee Break**

15:00 ***Akademiska Hus***

- Energy management in “Connected” buildings, John Öbrink, Akademiska hus

15:40 ***Parallel Workshops***

- Group 1: Opportunities and challenges in intelligent building control system in public buildings
- Group 2: Enhancing energy efficiency with data, Simple and affordable ways to manage complex data sets

16:30 **Summary**

- Summary of Workshops in whole group

17:00 **End of seminar**

The seminar is free of charge. We can accept the first 30 persons registered.

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