

HP4nZEB HEAT PUMPS IN NEARLY ZERO ENERGY BUILDINGS IN FINLAND

TIME: Monday 15 June 2015 9:00-15:30

VENUE: Finlandia-hall, Mannerheimintie 13, 00100 Helsinki, Finland

LANGUAGE: English

PROGRAMME

- 9:00-9:30** **Registration and morning coffee**
- 9:30 – 10:00** **Distributed generation in Finland – why energy should be generated nearby?**
Karoliina Auvinen, Project lead, Aalto University School of Business
- 10:00-10:20** **Finland's national targets in renewable energy and energy efficiency**
Timo Ritonummi, Deputy Director General, Energy Department, Finnish Ministry of Employment and the Economy
- 10:20-10:40** **Heat Pump market and scenarios in Finland**
Jussi Hirvonen, Executive director, Finnish Heat Pump Association
- 10:40-11:00** **Defining "nearly zero" in Finland - FinZEB**
Kimmo Rautiainen, Managing director, Finnish association for manufacturers of prefabricated houses (PTT ry)
- 11:00-11:30** **Break**
- 11:30-11:50** **IEA HPP Annex 40 – International collaboration**
Professor Carsten Wemhoener, Institute of Energy Technologies, HSR University of Applied Sciences Rapperswil
- 11:50-12:10** **HP4NZEZ project – Defining the role of heat pumps in nZEBs in Finland**
Suvi Häkämies, Managing director, Green Net Finland
- 12:10-13:20** **Lunch**
- 13:20 – 13:40** **Energy efficiency of the heat pump solutions in nZEBs**
Juha Jokisalo, Research specialist, Aalto University
- 13:40-14:00** **Life cycle costs of the heat pump solutions in nZEBs**
Sakari Pulakka, Senior Research Scientist, VTT Technical Research Centre of Finland Ltd.
- 14:00-14:40** **Coffee break**
- 14:40-15:00** **Cost optimal renovation solutions in 1960s apartment buildings**
Tuomo Niemelä, Leading energy expert, Granlund Ltd.
- 15:00-15:20** **Air-to-air heat pumps in Finnish single-family houses**
Ari Laitinen, VTT Technical Research Centre of Finland Ltd.
- 15:20-15:30** **Closing the seminar**

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