Index and Programme

Friday, 17th April 2015

Plenary Session 09:00 – 12:00 Hall 1

Session I: Hall 1
NZEBs and Theo economics of Passive House

Session II: Building services — Hall 2

Session III: Leipzig and Saxony — Hall 3

15:05 **Reiter, Olaf; Hawemann, Frank** 185

Day-care-centre "Zauberhaus" in Delitzsch by Leipzig

The Passive House day care center in Delitzsch was affordably built as a solid structure with a wood frame curtain façade. Cross-ventilation with automatically opening windows proved to be a very good solution for heat protection in the summer. Plants in Passive House-suitable holes in the floor provide an excellent atmosphere.

Session IV: Hall 4
EuroPHit: Components for Refurbishing

Session V: Components: Building envelope — Hall 1

Session VI:
Planning, analysis, and training

Hall 2

Session VII: Hall 3
EnerPHit: Innovative retrofitting concepts

18:05 **Goossen, Carl-Peter** 335

A practical approach for an integrated refurbishment with a scrum team

Scrum team is a method of collaboration of parties involved in a retrofit projects. It is also referred to as “Agile” working. Because of the flexibility and process-efficiency reached by collaboration in a scrum-team this way offers great advantages, especially energy-efficient renovation with a high demand of quality and workmanship.

Session VIII: China is catching up — Hall 4

Saturday, 18th April 2015

Plenary Session 09:00 – 10:15 Hall 1

09:00 Greeting

Wolfgang Feist
Energy Efficient Building at the University of Innsbruck and
Scientific Director of the Passive House Institute
Organizer of the International Passive House Conferences

09:15 **O'Leary, Tomas; Moreira, Mariana** 377
Trans-European EnerPHit Case Studies Lead the Way

The EuroPHit project aims to demonstrate that deep retrofitting to the EnerPHit standard can be achieved on a step-by-step basis. This paper presents an overview of case study projects being retrofitted, preparation of phased refurbishment plans, step-by-step retrofit construction details, training for design teams and tradespersons, beta testing of PHP Version 9 and product evaluation for deep retrofit projects.

09:45 **Krick, Benjamin** 383
Classic, Plus, Premium: The new Passive House classes and how they can be reached

Examples are used to explain the new Passive House classes and show optimizations for Passive House Plus and Passive House Premium. In addition, renewable energy generation from the building is explained along with biomass PER factors, solar thermal arrays, and cogeneration in the PER system.

Session IX:
Building services engineering

Hall 1

12:35 **Gilliland, Allen** 425

Asynchronous Air Circulation for Simplified Ventilation and Space Conditioning

This paper presents research findings from a study of two Passive Houses using combined distribution of heating, cooling and ventilation air using common areas, minimal ductwork and continuously operating fans. Very limited use of air ducts is required, but there are limitations in meeting occupant thermal comfort goals.

Session X: Hall 2
Non-residential Passive House buildings

Session XI: Hall 3
PassREg – Regions take on their leading role

12:35 **Rose, Clarence** 491

Passive goes NZEB, barriers and solutions in building regulations

The implementation of the EPBD into national policies creates the opportunity to introduce PH-technology as the perfect blueprint for NZEBs. Lessons learned in regions where the PH-standard was in effect for a while could further the successful out-roll of highly energy-efficient building standards with RES.

Session XII: Hall 4
EuroPHit – Step-by-Step Retrofits

Session XIII: Hall 1
The path towards Nearly Zero Energy Buildings

Session XIV: Hall 2
PassREg – Passive House neighborhoods

Session XV: Hall 3
Energy efficiency in warm and hot climates

Session XVI: Hall 4
Innovative Projects from all over the World

16:35 **Steinmetz, Nico** 667
New office building for the Centre of Ecological Movement in Luxembourg-Pfaffenthal

16:45 **Hagerman, Sam** 669
An Economical Passive House "Package" for the Pacific Northwest

Plenary Session 17:15 – 18:00 Hall 1

17:15 **Wolfgang Feist**
Energy Efficient Building at the University of Innsbruck and
Scientific Director of the Passive House Institute
Organizer of the International Passive House Conferences

The plenary session "Shaping the future: Passive House components" on page 63 contains the closing speech from Wolfgang Feist.