FRIDAY PROGRAMME | 19 APRIL 2013

PLENARY SESSION | Harmony Hall
9:15 Opening remarks: Mark Weimer, State Secretary of the Environment, Energy, Agriculture, and Consumer Protection for the State of Hesse | Olaf Cunitz, Mayor of the City of Frankfurt | Horst-Westerfeld, State Secretary of Finance for the State of Hesse | Barbara Ettinger-Bertringkmann, President of the Chamber of Architects and Urban Planners Hessen | Dr. Christof Riess, Chamber of Trades Frankfurt-Rhein-Main
10:00 Frank Junker | Experience from more than 1,600 Passive House apartments
10:45 Wolfgang Fest | Passive House efficiency makes the energy revolution affordable
11:15 Tour of exhibition | Hall 5
12:00 LUNCH

Harmonie Hall | level C2
Illusion Hall | level C3
Fantasy Hall | level C3
Spektrum Hall | level C2

Session I: Passive House Capital Frankfurt*
13:00 Werner Neumann | Frankfurt am Main, Passive House Capital – how can the success story continue?
Thilo Curtz, Jean-Denis Mège | Building Together (BuildTAG) – Europe-wide adaptation of an apartment building design
Alexandra Töll | Solutions & tools for the conservation compatible energy retrofit of historic buildings

Session II: Global cooperation*
13:30 Harald Mathes, Wolfgang Hasper | Passive House for the Hessse State administration
Michael Tribus, Christoph Holzner | A cost comparison of three built Passive House apartment building designs
Rainer Pfurger | Active overflow ventilation for refurbishment of school buildings

Session III: 3ENCULT (held in English)
14:00 Wiebe Fiebig, Peter Hufer | Energy retrofit of a Wilhelminian building with Passive House components
Michael Klinski | The Norwegian Passive House experience
Ann-Marie Fallon, Joseph Little | Retrofitting Ireland’s first EnerPHit building - Issues, challenges and solutions

Session IV: Results and Analysis (held in English)
14:30 Winfried Nall | Passive House hospitals – a challenge. Frankfurt is pleased to tackle
Rena Vai lentin | International cooperation between Korea and Germany continues
Francis Bradshaw | Detailing for Passivhaus retrofit in London; terrace houses, solid walls, timber floors and internal insulation

Session V: future-proof renovation*
15:00 1) Buth: Heppenheim administrative centre. Germany’s first Passive House administrative building born of the PPP process
2) Amirisamkouei: Application of a particular wind catcher to reduce cooling energy requirement of residential buildings
3) Bastian: Factors that influence the energy balance and affordability of non-residential EnerPHit projects

Session VI: Energy-efficient building services*
15:10 COFFEE BREAK

Session VII: Passive House Regions (held in English)
15:45 Florian Kager | Renovating a high-rise to fulfill the Passive House Standard – a year of operational experience
Kristin Bräunlich | Ventilation in commercial kitchens
Marianne Fujara | PassERG – Supporting Politicians to create model structures for Passive House with Renewable Energies

Session VIII: Passive House around the world (held in English)
16:15 Florian Lichtblau | Multi-story residential complex 1958, timbered model renovation
Oliver Kah | Energy efficiency in cafeterias and commercial kitchens
Dragomir Tzanev | Passive House Regions: A guide to success

16:45 Marcos Grolks | Results from the retrofit of seven multi-family units to the Passive House Standard
Tjado Völl, Karsten Voss | The effect of façade-integrated fresh air elements on energy demand and indoor temperatures in the summer
Carmelo Sapienza | Smart NZEB in the Passive House Standard in Sicily

17:15 Barbara Wörndle, Oscar Stuffer | Taylor-made solutions for a historical residential building in the center of Bolzano (I)
Jan Riha | Highly diffusive overhead lights – heat loss versus energy conservation
Anne-Laure Maercker | Aeropolis II & Elia: passive buildings showing the (r)evolution of eco-construction in Brussels

17:45 Kristin Bräunlich | Measuring moisture buildup in timbered beam ends for renovation with interior insulation
Matthias Werner | Influence of retrofitting on daylighting
Lorenzo Paglino | nZEB coupled with an Earth to Air Heat Exchanger

18:15 1) Böhme: Life in a renovated PH watermill 2) Rongen: The Neubrück Protestant church – renovation, conversion, and expansion to the EnerPHit Standard (interior insulation) 3) Bastian: Factors that influence the energy balance and affordability of non-residential EnerPHit projects
1) Grolks: Testing new air quality controls with VOC sensors for residential ventilation systems 2) Struckmeier: PH heating with waste heat from computers (‘server heater’) 3) Rüs Dietz: LED Light in Passiv Houses
1) Anne Gerin: Successful Passive House skyscrapers
2) O’Donnell: A very Irish Solution – adapting local techniques for Passivhaus
2) Jelle Langmans | Quantitative study on the hygric response of timber frame walls with exterior air barriers

19:00 Evening Event (reservation must be made in advance)
1) Malou: Feasibility study of Passive House buildings in Germany continues
2) Khon: Cooperation between Korea and West Europe
3) David: PassREg – Supporting Regions (held in English)
4) Davide: PassREg – Supporting Regions (held in English)

Programme of the Passive House Conference 2013 and Exhibition
Congress Frankfurt | Frankfurt am Main
Passive House Basics Course
Wednesday, 17 April 2013
Passive House Components Workshop
Thursday, 18 April 2013
Conference and Exhibition
Friday and Saturday, 19 and 20 April 2013
Excursions
Sunday, 21 April 2013

* Session held in German with translation into English
SATURDAY PROGRAMME | 20 APRIL 2013

PLENARY SESSION | Harmony Hall
8:45 Gordon Sutherland, Intelligent Energy Europe (IIE) Senior Project Officer for Energy efficiency in buildings, industry, equipment and transport | Towards nearly zero-energy buildings: the European path till 2020
9:15 James Scott Brew | Reinventing Fire: Passivhaus role in bold solutions to get one nation off coal and oil by 2050
9:45 Helmut Krapmeier | Austrian State Prize for Architecture and Sustainability

Organisers of the 17th International Passive House Conference:

Passive House Institute

Patronage:
Lucia Puttrich
Minister of the Environment, Energy, Agriculture, and Consumer Protection for the State of Hesse

» Registration by post:
Passive House Institute | Rheinstraße 44/46
64283 Darmstadt | Germany

» Online registration:
www.passivehouseconference.org

» 2013 Conference schedule
17 April 2013 Passive House Basics Course | University of Applied Sciences Frankfurt
18 April 2013 Passive House Components Workshop | Congress Frankfurt
19-20 April 2013 17th International Passive House Conference and Exhibition | Congress Frankfurt
21 April 2013 Passive House Excursions

» Conference languages: German and English
Simultaneous translation into English will be provided at all German language sessions.

Supported by:

PLENARY SESSION | Harmony Hall
Session IX: Planning and implementation*
10:30 Ralf Bermich | Urban development with the Passive House Standard – Heidelberg’s new Bahnstadt district grows dynamically
11:00 Robert Persch | Quality management system for Heidelberg’s Bahnstadt Passive House district
11:30 Burkhard Schulze Darup | DomRömer – a historical monument as a new build
12:00 Norbert Stärz | Mainzelle apartment building: planning in a challenging field – quality, costs, Passive House
12:30 1) Krause: Combining a balance-based approach for Passive House planning with simple dynamic building simulation 2) Steiger: PHPP B - worldwide applicability, added functions, improved user-friendliness and compatibility
12:45 Bärbel Steinmann | Day care centres – getting more done together

Session X: Sustainable solutions for multistory apartment complexes*
11:00 Ludwig Rongen, Werner Welfers | The Geilenkirchen-Waurichen, Waldhochschule 27 Passive House residential complex
11:30 Stefanie und Hans-Dieter Rokk | Joint building ventures – getting more done together
12:00 Klaus Zeller | Multi-storey apartment complexes with single-shell brick walls – 17 units in Cologne

Session XI: Hot and Humid Climates (held in English)
11:30 Susanne Theumer | Mexico study: Passive Houses in tropical climates
12:00 Clare Perry | Multi-use Passive House buildings in humid & hot climates: Jakarta

Session XII: Residential and non-residential Passive House buildings (held in English)
11:30 Tomás O’Leary | Target to deliver 100,000m² Passive House Projects in New York City by 2017
12:00 Adam J. Cohen | Design & Construction of the Malcolm Rosenberg Center for Jewish Life
12:30 Sebastian Moreno-Valca | Passivhaus + Bream and green lease at no extra cost. A myth?

Session XIII: success in non-residential construction*
14:15 Harald Krause | Passive House schools in the City of Offenbach
14:45 Bärbel Steinmann | Day care centres – building services in timbered and solid construction
15:15 Soren Peper | Monitoring the Lünen Passive House indoor pool
15:45 Michael Hömer | The IWU building: modernization with Passive House components – concept, costs, and operational experience

Session XIV: Sustainability*
14:15 Gernert Vallentin | Holistically sustainable building concepts – a plus for the Passive House
14:45 Benjami Krick | Nearly Zero Energy Building? The Passive House provides an answer
15:15 Rainer Vallentin | Energy transition and energy sustainability: what the Passive House concept can do up to 2060
15:45 Martin Bauer | Using Passive Houses to store non-electric energy in smart grids

Session XV: Retrofit: Validation of the Potential (held in English)
14:15 Lars Ørtoft | A Large Energy Efficient Renovation to Passive House
14:45 Mike Duclos | EnerPHit in Boston: Refurbishment of a timber frame two-family house
15:15 Agris Kamenders | Post-occupancy evaluation of dormitory building with aim of EnerPHit renovation
15:45 Tobias Loga | TABELA – Residential Building Typologies in European Countries

Session XVI: Implementing Passive House Standard (held in English)
14:15 Virginie Leclercq, Pierre Willem | Exemplary Buildings, a step towards nZEB in the energy policy of the Brussels Region
14:45 Markku Hienonen | What public authority can do to increase energy efficiency in new buildings
15:15 Tadeja Kovačič | The effects of ECO Fund’s grants for energy efficiency in buildings: Slovenian experience
15:45 Art McCormack | Groundbreaking Training for Passive House Tradespersons

Session XVIII: success in non-residential construction*
16:15 1) Gollwitzer: A comparison of insulation apron solutions 2) Freundorfer: Windows of efficiency class pha+: an important step towards zero heating energy homes?

Session XIX: Nearly Zero-Emission Buildings (nZEB) – The Dutch experience* (held in Dutch with translation into English)
16:15 1) Little: Managing moisture – the key to healthy internal wall insulation retrofits of solid walls
16:45 1) Zbarski Senscaccini: Seismic safety of Passive Houses founded on thermal insulation 2) Nikolov: Three approaches to the ground insulation in seismically hazardous regions 3) Slikworth: A Multi-Zone Manager for the PHPP

17:15 Sebastian Moreno-Valca | Passivhaus + Bream and green lease at no extra cost. A myth?

Subject to alterations