

16TH INTERNATIONAL PASSIVE HOUSE CONFERENCE 2012



Frontpage: Torhaus Gilde-Carré, Hannover, Gerd Nord, Lindener Baukontor © Frank Aussieker

Programme of the Passive House Conference 2012 and Exhibition

Hannover Congress Centrum HCC

Passive House Basics Course

Wednesday, 2 May 2012

Passive House components across the globe

Thursday, 3 May 2012

Conference and Exhibition

Friday and Saturday, 4 and 5 May 2012

Excursion

Sunday, 6 May 2012

PLENARY SESSION

- 9:15 Opening remarks by Stephan Weil, Lord Mayor of the City of Hannover and Harald Noske, Technical Director of enerCity (Stadtwerke Hannover AG), Peter Rathert, Federal Minister of Transport, Building and Urban Development and representative of the European Union
- 10:00 Ernst Ulrich von Weizsäcker | Profitable Green Technologies Can Break the Impasse at Climate Talks
- 10:45 Wolfgang Feist | Passive House Conference 2012: Climate – Culture – Concept
- 11:15 Tour of the Passive House Exhibition

12:00	LUNCH			
	Kuppelsaal	Niedersachsenhalle B	Niedersachsenhalle A	Blauer Saal
	Session I: Refurbishments: Examples and components	Session II: Ventilation: Experience and optimization	Session III: Cold climates	Session IV: A Passive House to fit in a specific region
13:30	Burkhard Schulze Darup Strategies for climate neutrality with existing buildings – a case study of Nuremberg	Søren Peper, Rainer Pfluger Air-quality and ventilation behavior	Wolfgang Hasper Passive Houses in cold climates	Sebastian Moreno-Vacca Passive House and high design architecture
13:55	Tanja Schulz EnerPHit insulation system	Werner Hässig Compact building service units in residential complexes: Measurements and experience	Carly Coulson NewenHouse: Cost effective, sustainable, healthy, Passive House Kit Home for cold climates	Thibaut Hermans Brussels 2007-2011: From 0 to 140 000 m ² of Passive Buildings. How is it possible?
14:20	Dietmar Kraus Passive House renovation of small rural schools	Bernd Krauß Lustenau Wiesenrain Complex: New control components provide utmost ventilation efficiency	Alexander Pearson Defining the energy efficiency design envelope for regional Scottish Passivhaus dwellings	Bronwyn Barry, Kristen Simmons Evolution of the grassroots Passive House community in the US – a tale of four regions
14:45	Franz Freundorfer Passive House windows of energy efficiency class A in heritage buildings	Oliver Kah Optimizing drive energy for ventilation based on demand	Tommy Wesslund, Simone Kreutzer Passive House tennis hall – Stefan Edberg promotes active climate protection in Sweden	Andrew Simmonds EnerPHit UK case study: Lessons for UK Green Deal Programme
15:10	COFFEE BREAK			
	Session V: Non-residential buildings	Session VI: Lighthouse regions show the way	Session VII: Costs and cost efficiency	Session VIII: Expert discussion
15:45	Michael Felkner AlpSeeHaus – Sustainability and energy conservation in a case study of a natural park building	Meinhard Hansen How to convince a municipality about Passive Houses	Jonah Stanford Breaking the cost barrier	<div> The future of energy efficiency: Passive House, Nearly Zero Energy Building, Green Building </div> <div> Peter Hennicke Eike Musall Nick Grant Benjamin Krick Shane Colclough Fabian Ochs Jan Tywoniak Christoph Thiel </div> <div> Short presentations of the experts and discussion among the experts and with the audience. </div>
16:10	Carsten Grobe Non-residential buildings as affordable plus-energy buildings	Estelle Wüsten The Passive House Standard in the City of Frankfurt – Experience in planning and management	Adam J. Cohen Realizing full potential in the US Commercial Passivhaus makes sense (dollars and cents)!	
16:35	Florian Berner Values and tools	Peter-M. Friemert Passive House certification and quality assurance: Market insights in Hamburg	Ljubomir Mišćević The first ten realizations of Passive Houses in Croatia – experience in design, construction and financing	
17:00	Dieter Herz Passive hotels – a success story	Stefan Großhans Experience in building Passive Houses in state-owned buildings	Nick Newman, Richard Whidborne A line by line cost comparison between a Passive House and a house built to comply with current UK building regulations	
17:25	Axel Bretzke Greater quality from simplicity in Passive Houses	Annette Bähr, Bianca Grubbel Passive House Standard in public-private partnership (PPP) projects	Jonathan Hines Delivering the UK's first Passivhaus schools at no extra cost	
20:00	Evening Event (reservation must be made in advance)			

Organisers of the 16th International Passive House Conference:



Patronage:

Dr. Peter Ramsauer
Federal Minister of Transport,
Building and Urban Development



Federal Ministry
of Transport, Building
and Urban Development

» Registration by post to:

Passive House Institute
Rheinstraße 44/46 | 64283 Darmstadt | Germany

» Online registration at:

www.passivehouseconference.org

» 2012 Conference schedule

2 May 2012 Passive House Basics Course at the
Hannover University of Applied Sciences and Arts,
Ricklinger Stadtweg 118
3 May 2012 Passive House components across the globe
manufacturers' exchange at the HCC
4 - 5 May 2012 16th International Passive House Conference
and Exhibition at the HCC
6 May 2012 Passive House Excursions, meeting point: HCC

» Conference languages: German and English

Simultaneous translation into English will be provided at all German
language sessions.

Supported by:



PLENARY SESSION

8:45 Marianne Fujara | PassREg – Regions lead the way
towards EU climate goals
9:15 Jürgen Schnieders, Benjamin Krick, Tanja Schulz and Rainer Pfluger |
Special considerations when building Passive Houses in various climate zones

Kuppelsaal	Niedersachsenhalle B	Niedersachsenhalle A	Blauer Saal
Session IX: Passive House renovations	Session X: Timber or solid construction – both are possible!	Session XI: Warm and hot climates	Session XII: Tools for planning Passive Houses
10:15 Martin Brunn From old buildings to Plus-Energy Buildings	Stefan Oehler Climate-neutral residential buildings	Susanne Theumer Passive Houses in warm climates	S. Kurtze, U. Imkeller-Benjes Design of Plus Energy Buildings based on PHPP
10:40 Herwig Ronacher Metamorphosis of an historic farmhouse to a Passive House and a Plus-Energy house	Stefanie von Heeren Hybrid construction in single-family homes	Silvia Prieto, Josep Bunyesc Passive House in a Mediterranean climate	Kristian Henriksen Integrating PHPP with BIM
11:05 Bernd Steinmüller Bringing the Passive House standard down to zero in a City Hall renovation: Will it pay for itself in the long run?	Gerrit Horn Inexpensive timbered structures for Passive Houses	Fritz Oettl The green Austrian Embassy in Indonesia	Erik Röthele Energy consulting with the PHPP
11:30 Alexander Külich Residential comfort, ventilation, and building physics – Passive House renovation of a terminal row house	Dietmar Waldeck Multi-story timbered residential Passive House	Berthold Kaufmann A Passive House for hot and humid Southern China	Ernst Heiduk Methodology for a Software Tool to Integrate Lifecycle-Costs into Architectural Design and Competitions (IKAA)
11:55 Sebastian Ludwig, Lars Kühl AS Solar, Hannover – existing plus-energy industrial building	Werner Friedl Practical designs with functionally separate building subcomponents in solid construction	Irene Ott Reinisch Climatic conditions and options for Passive House Technology in Bhutan, Himalaya, Asia	Miwa Mori PHPP linked to a CAD system
12:30 LUNCH			
Session XIII: Non-residential buildings: schools and hospitals	Session XIV: Ventilation and airtightness	Session XV: Retrofits	Session XVI: Projects, materials and components
13:45 Ingo Lütkemeyer Sustainable school buildings with a future	Kristin Bräunlich Energy assessments of large ventilation systems – the first findings from certification	Justin Bere Design, construction and actual performance of a Community Centre in London, refurbished to the Passivhaus standard	Shane Colclough One Passivhaus search for zero carbon
14:10 Ute Michel, Markus Behme Sustainability criteria and a study of different heat delivery methods in a sports boardingschool	Helmut Schöberl Negative maintenance costs	Mary James Deep energy retrofits in the San Francisco Bay Area: Measuring Success	Bokyung Jun From nothing to zero – Passive House in Korea
14:35 Alan Clarke Passivhaus school kitchens	Oliver Kah Infiltration and heat losses in highly frequented entrance areas	Ji-won Seo The methods for Passive Renovation, suitable for Korean apartments	Björn Kierulf PH with prefabricated straw bale panels
15:00 Ludwig Rongen New building at the LVR Psychiatric Outpatient Clinics in Köln-Chorweiler	Søren Peper Inserting the ends of wooden beams in the airtight layer	Robert Cohen C80 retrofit: Measuring is believing	Szymon Firlag Airtightness of Polish passive and very low-energy buildings – measurement results
15:25 Roland Schumacher Passive House hospitals – boundary conditions for the design	Wilfried Walther Strategies for the planning and implementation of airtightness on existing sloped roofs	Julie Willem, Sebastian Moreno-Vacca Experience in non-residential building renovations in Brussels and 'Real' zero energy	Antoni Kostka New generation of windows: Linear thermal bridge-reduced frames and convection-free insulated glazing
15:50 COFFEE BREAK			Subject to alterations