

15TH INTERNATIONAL PASSIVE HOUSE CONFERENCE 2011



Programme of the Passive House Conference 2011 and Passive House Exhibition

Congress Innsbruck
Innsbruck, Austria

Friday and Saturday, 27 and 28 May 2011
Conference and Exhibition

Sunday, 29 May 2011
Excursion

NEW: Wednesday, 25 May 2011
Passive House Basics Course



PROGRAMME FRIDAY, 27 MAY 2011

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PLENARY SESSION

- 9:00 Opening by: Deputy Governor Anton Steixner and Mayor Christine Oppitz-Plörer, Arnold Klotz, Vice Rector, University of Innsbruck, Theodor Zillner, Federal Ministry for Transport, Innovation and Technology
- 9:30 Claudia Dankl, Isabella Zwerger | 'House of the Future Plus' – an Austrian research and technology programme
- 10:00 Manfred Görg, Anne Huse | Passive House: regionally based – globally effective
- 10:30 Angela Espenberger, Sarah Mekjian | International Passive House Association (iPHA): Thinking Globally, Acting Locally
- 10:45 Wolfgang Feist | Passive House: Global, regional and local
- 11:15 Tour of the Passive House Exhibition

12:00 LUNCH

Tirol Room	Innsbruck Room	Brüssel Room	Strassburg Room
Session I: Passive Houses in Austria	Session II: Renovating with Passive House components	International Session III: The Passive House Standard in North America	International Session IV: Discussing Materials: Wooden or/and concrete
13:30 Raimund Rainer Urschner Achenkirch Passive House residential complex	Reinhard Jank New applied technologies in renovating multi-family homes: The Karlsruhe-Rintheim neighborhood	Alexander Zhivov Towards Low Energy Buildings and Building Clusters - Analysis for US Army Installations	Gernot Vallentin Effective wooden construction for low budget Passive Houses
13:55 Martin Treberspurg The Vorgartenstrasse residential complex in Vienna	Burkhard Schulze Darup Project report: Renovating and adding a Passive House annex to an apartment building in Kollwitzstrasse 1 - 17, Nuremberg	Graham Irwin New Frontiers – Implementation of Passive House in California	Ljubomir Mišćević From the unique item to prefabricated wooden Passive House
14:20 Martin Ploss 15 years of the Passive House Standard in Vorarlberg, Austria	Michael Felkner Renovating central terraced houses with vacuum insulation	Paul Kando Passivhaus and a Gradual Approach to Energy Efficiency in Maine	Stéphanie Decker New passive solutions for summer comfort and timber housing in Atlantic climate
14:45 Herwig Ronacher Passive House potential in rural, traditional architecture	Zeno Bastian EnerPHit certification for building modernisation with Passive House components: Initial experience	Carly Coulson Passive House & LEED®: A School Building in Minnesota Case Study	Günther Gantioler The 'Case Sabin' – A Passive House apartment building in solid concrete
15:10 COFFEE BREAK	Session VI: Urban planning and renovations	International Session VII: Non-residential buildings	International Session VIII: Cost-effectiveness
15:45 Rolf-Peter Strauß Solar thermal or micro heat pump with solar power?	Elisabeth Kirscht The zero:e park: Active with Passive Houses	Kateřina Mertenová Energy independent revitalisation of an industrial area	Berthold Kaufmann Are Passive Houses economically feasible (?)
16:10 Roland Kapferer Evaluating measurements from the Lodenareal Passive House residential complex in Innsbruck	Jan Remund Passive Houses and climate change	Wolfgang Hasper Summer response in non-residential Passive House buildings	Jörg Thöne Leveraging 3-D Modeling for Streamlining the Design Process and Improved Cost Estimation in Passive House Construction
16:35 Mark Zimmermann SELF – The independent building	Klaus Mathoy Renovation of a heritage building in the Passive House standard	Marcelo Huenchunir Bank building in Santiago, Chile	Rainer Pfluger Greater comfort and lower costs with zoned Passive House ventilation (cascade ventilation)
17:00 Anita Preisler How useful is solar thermal support for heating systems in Passive House office buildings?	Kay Künzel NEW nachhaltig, energieeffizient, wirtschaftlich (sustainable, energy efficient, affordable)	Jong-Sun Cho The First Passive House Non-residential Building in Korea	Severin Lenel Embodied energy and the MINERGIE building
17:25 Helmut Schöberl Highly efficient office equipment for Passive House buildings	Cornelia Baumgärtner, Tanja Schulz Effects of energy efficient renovations on thermal comfort in residential buildings	Susanne Theumer Passive House Retail	Justin Bere Cost effective solutions to social housing – comparing the differences between certification by annual heat demand and by peak load
20:00 Evening Event (reservation must be made in advance)			

Organisers of the 15th International Passive House Conference:



» Registration by post to:

Passive House Institute
Rheinstraße 44/46
64283 Darmstadt
Germany

» Online registration at:

www.passivehouseconference.org

» 2011 Conference Schedule

25.05.2011 Passive House Basics Course at Großer Hörsaal,
University of Innsbruck, Technikerstraße 21
27.-28.05.2011 15th International Passive House Conference 2011,
Congress Innsbruck with Passive House exhibition
29.05.2011 Passive House excursion, starting at
Congress Innsbruck

» Conference languages: German and English

(Simultaneous translation into English will be provided at all German language sessions by our established team of interpreters from Nuremberg and Frankfurt)

Photo credits:

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PLENARY SESSION

9:00 Elmar Draxl | Passive House residential complex as Olympic Youth Village 2012
9:30 Ralf Bermich | Passive House as urban development standard for the Heidelberg-Bahnstadt zero-emissions area
10:00 Ludwig Rongen, Jürgen Schnieders | Passive Houses for different climate zones

Tirol Room

Session IX: Renovating non-residential buildings

10:45 Gerhard Kopeinig | A comparison of three schools renovated to the Passive House Standard

11:10 Martin Endhardt | Brewery and restaurant with hotel

11:35 Peter Hinz | Passive House renovation of a heritage home from 1733 and its conversion to an office

12:00 Ludwig Rongen | Renovation of the Baesweiler municipal high school to the Passive House Standard

12:30 LUNCH

Session XIII: Non-residential buildings in the Passive House Standard

13:45 Esther Gollwitzer | Planning aspects for indoor public pools

14:10 Herwig Ronacher | Wooden Passive House pools

14:35 Raimund Rainer | Agrarian center West Imst, third construction stage

15:00 Bernd Steinmüller | The Sande Passive House gymnasium – An example for building on sand?

15:25 Andreas Nordhoff | Experience with retirement homes

15:50 COFFEE BREAK

Innsbruck Room

Session X: The latest on ventilation

Gerald Lange | A presentation of various air distribution systems in residential buildings

Christof Drexel | Frost protection units: Up to a 90 percent energy savings through cyclical preheating

Olaf Reiter | Fire protection versus ventilation?

Oliver Kah | Air exchange and air quality in renovated apartments with conventional window ventilation and with controlled ventilation

Session XIV: Building envelope, insulation and components

Christoph Thiel | Passive Houses with clinker façades

Bernhard Oberrauch | Passive House masonry walls – Renovations and new builds

Andreas Andreatta | Glass foam granulate as insulation under load bearing components

Sören Peper | Monitoring: Passive House with seasonal sub floor slab solar storage

Jürgen Eberlein | New multi-functional and special purpose doors with Passive House certified quality and CE conformity

PLENARY SESSION

16:15 Wolfgang Feist | Passive Houses – one principle, many regional solutions
17:00 End of event

Subject to alterations

Brüssel Room

International Session XI: Passive Houses all over the world

Gernot Vallentin, Yoon-Bom Cho | Cooperation Passive House between planners in Korea and Germany

Sarah Lewis | Camden Passivhaus, London's First Passivhaus

Agris Kamenders | Cost optimality and EnerPHit standard in Latvia

Simone Kreutzer | Passive Houses between the 55th and the 69th parallel

International Session XV: Students, schools and Passive Houses

Günther Jedliczka | Passive Houses for Active Students

Adam J. Cohen | Construction and Monitoring of the First US Passivhaus Public School Building

Harald Krause | Energy concept and technology in the Rosenheim Solar Decathlon House

James Scott Brew | A Passive House Revisited – 27 Years Later

Henrietta Lynch | Building 'The Works' Passive House at Ebbw Vale (film)

Strassburg Room

International Session XII: Deep energy retrofitting

Benoit Witchalls | Lessons learnt from applying Passivhaus principles to a historical barn conversion

Barbara Wörndle | Renovation of an apartment building in Epnan, Italy: The courage to start over again

Robert Schild | Renovation of a single apartment to the Passive House Standard

Marc Großklos | Biomass façade insulation for existing multi-family dwellings

International Session XVI: Research and examples

Thomas Knecht | Single-family house Butovo – The first certified Passive House in Russia

Miha Praznik | The results, characteristics and experience of passive residential construction in Slovenia

Bill Butcher | Passivhaus and cavity wall construction

Björn Kierulf | Examples of technical solutions in various regions of Slovakia

Benjamin Krick | Functional specifications for Passive Houses – A definition for all climates