

On Sunday 13 April 2008 there will be the opportunity to attend one of five different tours to visit Passive Houses (new buildings and refurbishments) in the region of Nuremberg. Starting point is the Exhibition Centre, at the return the busses will stop first at the main station and – if needed – at the Exhibition Centre.

All tours are in German and English.

► Excursions

■ Tour 1: Nuremberg City Tour

Short Tour: Refurbishments and public buildings
9:00 – 15:00, with snack

■ Tour 2: Tour North of Nuremberg

Long Tour: Refurbishments of a school building and an office building, new building of a single-family dwelling
9:00 – 16:00, with snack

■ Tour 3: Tour Nuremberg and Erlangen

Long Tour: Single-family dwellings (Refurbishments and new buildings)
9:00 – 17:00, with snack

■ Tour 4: Tour East of Nuremberg

Long Tour: From the Community Centre to the Vacuum insulated research building
9:00 – 16:00, with snack

■ Tour 5: Tour Western Franconia

Long Tour: Gymnasium, Refurbishments, Non-Residential Buildings
9:00 – 17:00, with snack

Beat escalating energy costs! Passive houses allow for more comfort and lower energy demand: Intelligent solutions for old and new buildings will be on display at the 2008 Passive House Exhibition Nuremberg.

- Building companies, specialist federations, architecture and engineering offices,
- Producers of windows, doors, ventilation systems and insulating materials,
- Providers of building parts, whole solutions, house technology systems and solar companies.

They present building components and products which reach the top standards for energy-efficient building through high quality and innovative technology.

- Conference and exhibition take place directly next to each other in the Exhibition Centre Nuremberg.
- A support programme of lectures is directed at conference and exhibition visitors. Here exhibitors can present their products and services.

We would be pleased to welcome you at the Passive House exhibition 2008.

► Passive House exhibition 2008

Date:	Friday 11 April – Saturday 12 April 2008	
Location:	Exhibition Centre Nuremberg	
Opening hours:	11 April 2008	9 am - 7 pm
	12 April 2008	9 am - 5 pm
Exhibition area	3.000 m ²	
Entrance fee:	6,- €	

► Target public:

The exhibition is directed at interested building owners and specialist visitors such as architects, building specialists, planners, energy consultants, producers of building products, companies in the building industry, housing industry and energy providers.

► To order the exhibitor documents:

- Passivhaus Institut **Phone:** 0049 6151 / 826 99 - 35
E-Mail: tagung@passiv.de

It is recommended to register early as the available exhibition space is limited.

12TH

INTERNATIONAL CONFERENCE ON PASSIVE HOUSES 2008



Programme of the Passive House Conference 2008 with Passive House Exhibition

Exhibition Centre Nuremberg

Friday 11 and Saturday 12 April 2008
Conference and Exhibition

Sunday 13 April 2008
Excursion

Registration

12th International Conference on Passive Houses 2008 11 and 12 April 2008

► Registration by Post to:

Passivhaus Institut, Rheinstraße 44/46
D-64283 Darmstadt

► By Fax to:

0049 6151 / 826 99 - 11

► Please use the online registration at:

www.passivhaustagung.de

Under the patronage of:



Supported by:



Wir gestalten Lebensräume
WBG Nürnberg Gruppe



Conference Fees

► Conference 11 and 12 April 2008

Early booking rate (by 28.02.2008): 440,- €, after this 550,- €

Speaker: 155,- €

Only one speaker discount will be granted for each accepted oral contribution

Accepted poster contribution: 298,- €

Discount for members of the

IG-Passivhaus: 30,- €

Student discount: 50 % (only full-time

students, copy of the student ID card must be enclosed)

► For participation on just one day of the conference:

Early booking rate (by 28.02.2008): 310,- €, after this 360,- €

Discount for members of

the IG Passive House:: 15,- €

No reduction for speakers or poster contributions with participation on just one day is possible.

► Evening event Friday 11 April 2008 44,- €

► Excursion on Sunday 13 April 2008

incl. lunch and technical guidance

(only for conference participants) 75,- €

► **Conference languages:** German, English. Simultaneous translation into English will be provided at all German-spoken sessions.

Business Terms and Conditions

► 1. Registration

Registrations must be made in writing. They are binding and will be taken into account in the order in which they are received by the organiser. The number of participants is limited. After registration you will receive an invoice. The early booking discount is only granted if registration and payment have been carried out by 28.02.08. Participation in the conference is only possible when the participation fee has been paid in full. Cancellations of registration must be made in writing. In case of withdrawal of the registration by 25.03.2008 we will charge a processing fee of € 70. The full participation fee will be due in case of later cancellation or non-appearance. It is of course possible to name substitute participants.

► 2. Services

The scope of services includes: conference proceedings (with presentations), lunch, coffee breaks. The organiser reserves the right to make any necessary changes to the programme schedule.

► 3. Cancellation, Restriction of liability

In the event that the 12th Conference on Passive Houses has to be cancelled the participants will be notified immediately. In this case the organiser is only obliged to reimburse the already paid participation fee. The liability of the organiser is limited in all cases to the paid participation fee.

► Scientific Conference Advisory Board

Roland Digel, Osnabrück (DE), Wolfgang Feist, Darmstadt (DE), Robert Hastings, Wallisellen (CH), Peter Holzer, Krems (AT), Henk Kaan, Petten (NL), Helmut Krapmeier, Dornbirn (AT), Harald Krause, Rosenheim (DE), Matthias von Oesen, Hannover (DE), Rainer Pfluger, Darmstadt (DE), Burkhard Schulze-Darup, Nürnberg (DE), Rolf-Peter Strauß, Bremen (DE), Mark Zimmermann, Dübendorf (CH)

Photos on the left

1 Passive-office building ASSA in Santa Croce Sull'Arno (PI), Italy. Architect: Silvia Mazzetti Italy

2 Fire department building in Heidelberg, Architecture office Kulka Germany

3 Single family residence in Pordenone (PO), Architect Marco Biscontin Italy

4 Extension on veterinarian clinic in Feuchtwangen, ING+ARCH Partnership energie efficient architecture and sectoral planning, Germany

5 The Smith House, single family residence in Urbana, Illinois. Architect: Katrin Klingenberg USA

6 Passive terraced houses Goteborg, EFEM arkitektkontor Sweden

7 Single family residence in Wicklow, Ireland, Designer: Tomas O'Leary, MosArt Architects Ireland

8 Refurbishment using Passive House Components Nuremberg Bernadottstraße; Architect: Schulze Darup Germany



► Climate protection? Passive house!

Can international climate protection targets be met? Yes! All we need to do is make sure that the passive house standard is the minimum requirement for new buildings, if not an even stricter standard. Fortunately, the EU Commission's Green Paper on energy policy proposes exactly that.

A country's stock of buildings renews itself very slowly, which is why new buildings should already have to fulfill the climate protection standards for 2030. In addition, renovations should consistently be done with passive house components - and not only for reasons of climate protection. Time to deal with this groundbreaking technology in a bit more depth!

The 12th International Passive House Conference in Nuremberg presents the latest developments based on numerous examples both of the new buildings and renovated old ones. The passive house exhibition that takes part during the conference gives participants a chance to have a look at passive house components and products for energy-efficient construction and renovation.

► Passive houses for the masses

It is already clear how the passive house standard can be adapted for use in climates all over the world. But before the passive house can be used as a standard solution globally, a number of developments must be completed. This discussion is also part of the 12th Passive House Conference, where almost half of the projects presented are international. Among other things, it is shown how the passive house standard can be integrated in national architectural traditions.

► Conference in Nuremberg

The region of Nuremberg has a number of excellent passive house projects, both with new buildings and renovated old ones. In 2002, one of the first completely documented renovations of a multi-story dwelling was begun at the Jean-Paul Platz using passive house components. The results show that the energy used for heating can be affordably reduced by a factor of 10. Two local housing associations, wbg and the Joseph Foundation, have played crucial roles in energy-efficient renovation. In addition, there is a discussion in Nuremberg about how to economically renovate a neighbourhood with more than 1000 heritage apartments with passive house components. On Sunday 13 April 2008 five groups will be able to take tours of a number of these excellent passive houses and renovation projects using passive house components during excursions.

More information and registration:
www.passivhaustagung.de

Plenary session

- 9:00** Keynote address by Bavarian Home Secretary **Joachim Herrmann**
 Nuremberg Deputy Mayor of Economics **Dr. Roland Fleck**
Dr. Wolfgang Feist, Passivhaus Institut
- 9:40** **Vincent Berrutto**: Energy Efficiency - a key towards European sustainability (Head of Energy Efficiency Unit, Executive Agency for Competitiveness and Innovation, European Commission)
- 10:00** **Jens Lautsen**: Roadmap to efficiency
- 10:30** **Burkhard Schulze Darup**: A vision becomes a standard
- 11:15** Group tour of the Passive House Exhibition in fair hall 1

12:30 Lunch

SAAL BRÜSSEL	SAAL MÜNCHEN	RAUM MAILAND	RAUM ATHEN
Working group I: Renovating with passive house components	Working group II: Nonresidential buildings	Working group III: New Passive Houses and Refurbishments	Working group IV: Designing Passive Houses
14:00 Martin Fellbaum „Renovating at a profit“ consulting and communication program to reduce energy consumption through renovation	Eva Anlauf, Markus Aurbach New building for Nürnberg high school with passive house standard	Michael Klinski The first certified Passive House in Norway	Jürgen Schnieders Cooling Algorithms in the Passive House Planning Package (PHPP 2007)
14:25 Christian Conrad Renovating historic buildings to improve energy consumption and building physics	Søren Peper Measurement results from school construction: insulation skirts, heating energy, and comfort	Olav Langenkamp The first certified Passive House in Denmark	Bernhard Oberrauch Simplified Generation of Climate Data for PHPP 2007 using Meteonom
14:50 Thomas Kirtschig Measurements from the ebök office complex	Pia Regner A new gymnasium with passive house standard	Katrin Klingenberg The Andre Residence on Martha's Vineyard	Søren Pedersen Updated Comparison of Windows
15:15 Werner Haase Holistic renovation of the office complex at Werner von Siemens Strasse 41-43 in Erlangen	Ralf Bermich Construction of new fire department building in Heidelberg as passive house	Ralf Klein Renovation of a unifamiliar House: reaching Passivehouse Standard	Rossano Albatici Performance of Light vs Heavy Building Envelopes concerning Human Comfort in Warm Climates
15:40 Francesca Nardi Destruction and reconstruction of an old farming house using passive house technologies in a Mediterranean climate	Rainer Knaupp, Klaus Schokolinski New building for Nürnberg's South City Forum „Qualifications and Culture“ in the passive house standard	Manfred Hegger Solar Decathlon	John Broniek What are the Construction Design Implications of Building Passive Houses in the Southern U.S.?
16:10 Coffee break			
Working group V: Passive house ventilation news	Working group VI: implementation	Working group VII: Passive Houses in Eastern Europe	Working group VIII: Poster presentation (in German)
16:30 Monika Kurz, Norbert Stärz Planning and final inspection of ventilation and heating	Karsten Voss What is a zero-energy home anyway?	Henrich Pifko Passive Houses for Slovakia: High-Tech vs. Low-Tech	34 brief presentations on the following topics: further training, non-residential buildings, building services, marketing, project presentations (for the full titles, see www.passivhaustagung.de)
16:55 Werner Hässig Optimal ventilation controls for school buildings	Johannes May Passive house contracting -- an alternative for the promotion of passing houses	Bjorn Kierulf Simply ecological	
17:20 Jens Knissel Flow control based on air quality and constant monitoring of windows status	Michaela Meyer A look at the initial costs of great energy efficiency from the perspective of housing construction	Eugen Nagy Passivehouse with a Disadvantageous Shape	
17:45 Christof Drexel A comparative study of various strategies to optimize interior air humidity	Gerrit Horn Legal aspects in the planning and construction of passive houses	Dejan Vasovi Pilot Project of Passive Houses in Novi Sad, Serbia	
18:10 Rainer Pfluger Wood stoves in passive houses - strategies for comfort	Stefan Hithaler, Kurt Egger From home climate to climatic zone	Jan Tywoniak Passive Houses: made in CZ	

20:00 Evening program (only on prior registration)

Plenary session

- 8:45** Opening by **Karin Roth**, Parliamentary State Secretary at the Federal Ministry of Transport, Building and Urban Affairs
- 9:00** **Rainer Vallentin**: Derivation of reliable climate protection standards in apartment construction
- 9:30** **Georg W. Reinberg**: history, present, and future of passive houses - a case study of architect Reinberg

SAAL BRÜSSEL	SAAL MÜNCHEN	RAUM MAILAND	RAUM ATHEN
Working group IX: Research and Development News	Working group X: Examples of Renovation	Working group XI: Passive Houses Worldwide	Working group XII: Passive House Ventilation and Examples
10:15 Rainer Pfluger Certification and calculation of primary energy for compact passive house units	Mario Bodem Renovation with passive house components - primary-energy savings exceed 90%	Gavin Hodgson PassivHausUK	Sergio Rossi Radiative Heating and Cooling Systems for Passive House Office Buildings in North Italy
10:40 Wolfgang Hasper Security aspects of stove heating in passive houses	Tobias Timm From the idea to the tenant brochure: passive house modernization in Röttgerstrasse, Hanover	Thorsten Schuetze, Lee Pil-Ryul Passive Houses in Korea	Jón Kristinnsson Fine Wire Heat Exchanger for Heating and Cooling Passive Houses
11:05 Detlef Hennings Optimal compromise between daylighting and solar heat input as a central planning task for service-sector buildings	Florian Kagerer Cross-analysis of supply strategies in residential renovation	Farshad Nasrollahi What is a Passive House in Iran?	Christoph Buxbaum Study on the Moisture Performance of High-Insulated Building Envelopes
11:30 Harald Krause The development of a passive house with monolithic tiling	Michael Felkner Conversion of a former farmhouse: apartment, organic grocery, and architecture bureau	Kimmo Lylykangas What is a passive House in Finland?	Rasmus Lund Jensen Necessary Air Change Rate in a Danish Passive House
11:55 Wolfram Breitenbach Vacuums as space-saving, isolating composite façades	Barbara Würndle, Oscar Stuffer Limits and opportunities in renovation: factor 10	Thomas Knecht, Alexander Elokhov Passive House Ratmirovo in the Moscow Region	Camilla Brunsgaard The Architectural and Technical Consequences of Different Window Details in a Danish Passive House

12:30 Lunch

13:30 A tour through the traveling exhibition (Agenda 21 of the Ansbach region) in the reception foyer CCN Mitte

Working group XIII: Office Buildings and Major Projects	Working group XIV: Passive House Special	Working group XV: Examples and Strategies	Working group XVI: Poster Presentation English
14:00 Mark Zimmermann Forum Chriesbach – an energy balance sheet of a visionary building for the 2000 watt society	Ludwig Rongen Especially small passive homes	Alexandra Troi Analysis and optimisation of a monitored passive house in Italy with dynamic simulation	18 Poster Presentations focussing on new projects, retrofitting, non-residential buildings, marketing etc.
14:25 Guido Krämer New eTrium building - innovative passive office complex	Gernot Vallentin, Peter Drabek Passive townhouse in Poing. Prototype development with a housing association	Günther Gantioler Passive Office Building ASSA	
14:50 Peter Happ Staff dormitory for the DRK Hospital in Neuwied - energy-efficient renovation	Martin Treberspurg, Peter Engelmann, Roman Smutny Student dormitory as passive house	Igor Pušnik Building a Passive House with Dismembered Architecture in Slovenia	
15:15 Stefan Wittmann, Joe Baltar 22 new passive houses for the U.S. Army in Ansbach	Günter Lang Regions competing for passive houses	Monique Levy Member State approach towards a strategy for passive/very low-energy buildings	
15:40 Dietrich Schwarz A lighthouse for the 2000 watt society	Martin Zizka Experiencing a passive house first-hand	Inger Andresen New Norwegian Standard for Certification of Low Energy and Passive Houses	

16:15 Coffee break

Plenary session

- 16:45 Wolfgang Feist**: Passive houses worldwide - energy efficiency takes hold
- 17:30** End of event

► **Online-Registration at www.passivhaustagung.de**

► Registration for participation at the 12th international conference on passive houses 11/12 April 2008

Surname, first name: _____

Company/institution/organisation: _____

Street: _____

State code/postal code/Town: _____

Phone/fax: _____

E-Mail: _____

► **Please tick:**

- Participation Friday and Saturday 11 and 12 April 2008
- Participation only on Friday 11 April 2008
- Participation only on Saturday 12 April 2008
- Participation in the evening event Friday 11 April 2008
- Participation in the excursion no ____ Sunday 13 April 2008 (information on the reverse side, only for conference participants)
- Member of the IG Passive House
- Exhibitor at the Passive House Exhibition
- Speaker/Poster Presenter selected by the conference advisory council
- Student - copy of the student ID card enclosed
- Registration and payment carried out before 28 February 2008

The participation fee is € _____ (invoice will be served)

I hereby acknowledge and accept the business terms and conditions overleaf of the organisers for the 12th Conference on Passive Houses 2008. The liability of the organiser is limited to the participation fee paid.

► **I hereby register for the 12th Passive House Conference on 11/12 April 2008 in Nuremberg.**

Place, date _____

Signature _____