

## ORGANISER

### 14th International Passive House Conference Dresden 28 und 29 May 2010

Initiator and organiser of the International Passive House Conferences:



Joint organiser 2010:



Under the patronage of:

Frank Kupfer  
Minister of the federal state  
government of Saxony



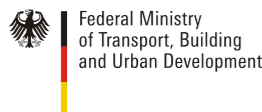
Supported by:



In the course of the conference the **Architecture Prize 2010 PASSIVE HOUSE** will be awarded by the Passive House Institute and the Saxon Energy Agency.

Under the patronage of

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



Supported by:



## CONFERENCE FEES

### » Conference 28 and 29 May 2010

Early booking rate (by 6<sup>th</sup> April 2010):

Regular rate: 475.- €

Speaker: 590.- €

(Only one speaker discount will be granted for each accepted oral / poster contribution.)

Rate for poster-presenters: 320.- €

Discount for members of the IG-Passivhaus: 30.- €

Student discount: 50 %

(Only full-time students, copy of ID card must be enclosed)

### » If participation is limited to just one day of the event, the conference fee is reduced accordingly

Early booking rate (by 6<sup>th</sup> April 2010): 340.- €

Regular rate: 420.- €

Discount for members of the IG Passivhaus: 15.- €

(No further reduction for speakers or poster-presenters if participating on just one day.)

### » Evening Event on Friday 28 May 2010

Dinner on the terrace level of the International Congress Center with view over the city of Dresden (beverages partially inclusive): 49.- €

There is also the possibility to visit the Passive House exhibition until approx. 10 pm.

(The number of participants is restricted.)

### » Excursion to built Passive Houses on Sunday 30 May 2010

Guided tour and lunch: 85.- €

(Only for conference participants, number of participants is restricted)

(All prices include VAT.)

### » Conference languages: German, English. (Simultaneous translation into English will be provided at all German language sessions.)

» Registration by post/fax to:

The Saxon Energy Agency - SAENA GmbH

z.Hd. Gabriele Köckritz

Pinnaische Straße 9

01069 Dresden

Fax: +49 (0) 351/4910-3155

» Please use the online registration at:

www.passivhaustagung.de www.passivehouseconference.org



## BUSINESS TERMS AND CONDITIONS

### » 1. Registration

Registrations must be made in writing. They are binding and will be processed in the order in which they are received by the organisers. The number of participants is limited. After registration you will receive an invoice. The **early booking** discount is only granted if **registration and payment** are completed before **6<sup>th</sup> April 2010**. The conference can only be attended if the applicable fee has been paid in full.

Cancellations are only accepted in written form. In case of withdrawal before 30 April 2010, we will charge a processing fee of € 70; the full participation fee is due in case of later cancellation or non-appearance. A substituting participant can be named.

» 2. Services

The scope of services includes: the conference proceedings with the conference presentations, lunch, coffee breaks, simultaneous translation into English at all German language sessions. The organisers reserve the right to make any changes to the programme schedule, which may become necessary.

### » 3. Cancellation, restriction to liability

In the event that the 14th International Passive House Conference has to be cancelled the participants will be notified immediately. In this case, the organisers are only obliged to reimburse the already paid participation fee. The liability of the organizers is limited in any case to the paid participation fee.

### » Scientific conference advisory board:

Robert Borsch-Laaks, Aachen (DE), Roland Digel, Osnabrück (DE), Wolfgang Feist, Innsbruck (AT), Darmstadt (DE), Manfred Görg, Apelern Soldorf (DE), Harald Halfpaap, Hannover (DE), Peter Holzer, Krems (AT), Lorant Krajcsovics, Bratislava (SK), Volker Kylau, Dresden (DE), Christian Micksch, Dresden (DE), Sören Pedersen, Næstved (DK), Rainer Pfluger, Innsbruck (AT), Olaf Reiter, Dresden (DE), Tanja Schulz, Darmstadt (DE), Burkhard Schulze Darup, Nürnberg (DE), Rolf-Peter Strauß, Bremen (DE), Jan Tywoniak, Praha (CZ), Gernot Vallentin, Dorfen (DE), Martina Zbašnik Senegašnik, Ljubljana (SI), Mark Zimmermann, Dübendorf (CH)

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## EXCURSIONS, SUNDAY 30 MAY 2010

### » EXCURSIONS:

On Sunday 30 May 2010, participants are welcome to attend one of six different tours to visit Passive Houses (new buildings and refurbishments).

Start: Conference Main Entrance International Congress Center Dresden. Finish: Dresden, Hauptbahnhof (central station).

» TOUR 1 "Dresden East" | 9.00 am – 4.00 pm  
school building | apartment building | single family home | kindergarten

» TOUR 2 "Southern Saxony" | 8.30 am – 5.00 pm  
kindergarten | refurbishment apartment building | refurbishment kindergarten | office building

» TOUR 3 "Eastern Saxony" | 8.30 am – 4.00 pm  
commercial building | refurbishment apartment building (under construction) | kindergarten | gym

» TOUR 4 "Central Saxony" | 8.30 am – 5.00 pm  
office and laboratory building (under construction) | kindergarten | single family home | refurbishment prefabricated concrete building and attached kindergarten  
The tour can be left early at Leipzig Central Station at 4pm.

» TOUR 5 "Public Buildings" | 8:30 am – 4.00 pm  
kindergarten | school building | office and laboratory building (under construction) | archive building

» TOUR 6 "Short Trip" | 9.00 am – 3:00 pm  
archive building | apartment building | kindergarten (under construction) | gym

(The number of participants is limited to 50 per excursion)

» Cultural programme:  
(Conference participants can join these tours free of charge. Reservations must be made prior to 1.5.2010 via email: [passivhaustagung@saena.de](mailto:passivhaustagung@saena.de))

Saturday, 29 May 2010 | 7.00 pm  
Guided tour "Dresden's historic city center"

Sunday, 30 May 2010 | 10.00 am  
Guided tour "Architecture in Dresden"

## PASSIVE HOUSE EXHIBITION 2010

Beat ever-increasing energy costs! Passive Houses allow for more comfort and lower energy demands. Intelligent solutions for old and new buildings will be on display in 2010 at the Passive House Exhibition in Dresden:

- Building companies, specialist associations, architecture and engineering offices, energy consultants and quality assurers
- Manufacturers of windows, doors, ventilation systems and insulating materials
- Providers of components, construction systems, technical services installations and solar companies

The exhibitors present building components and products which achieve the highest standard for energy-efficient buildings through top quality and innovative technology.

The Conference and the exhibition take place directly next to each other at the Congress Center Dresden.

A parallel programme of lectures at the exhibition area is directed to conference and exhibition visitors. Here, exhibitors can present their products and services.

We would be happy to welcome you at the 2010 Passive House Components Exhibition.

### » Passive House Exhibition 2010

Date: Friday 28 - Saturday 29 May 2010

Location: International Congress Center Dresden, Foyer and Room 2-5

Opening hours: 28 May 2010, 10.30 am - 6.00 pm, and during the evening event

29 May 2010, 9.00 am - 5.00 pm

Exhibition area: 3,100 m<sup>2</sup>

### » Target audience

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

### » Ordering documents for exhibitors

(available in German only)

The Saxon Energy Agency - SAENA GmbH

Tel.: +49 (0) 351 / 4910-3199

e-Mail: [passivhaustagung@saena.de](mailto:passivhaustagung@saena.de)

## 14<sup>TH</sup> INTERNATIONAL PASSIVE HOUSE CONFERENCE 2010



### Programme of the Passive House Conference 2010 and Passive House Exhibition

International Congress Center  
Dresden

Friday 28 and Saturday 29 May 2010  
Conference and Exhibition

Sunday 30 May 2010  
Excursion



Freistaat Sachsen





## PASSIVE HOUSE CONFERENCE

### » Climate protection – Energy efficiency shows a way out of the economic crisis

In times of a global economic crisis climate protection is often seen of secondary importance, even though considerable revenues can be generated with environmentally-friendly techniques. This ranges from investments in renewable energies usage to the implementation of efficiency measures, which decrease the demand for fossil resources.

### » Overcoming the global economic crisis with commitment on a local basis

The Passive House Standard can make a considerable contribution to overcoming the crisis. Above all, using this highly efficient standard will strengthen the regional economy. Local investments and generated turnovers will cause a boom independently from the global economic situation but with a sustainable effect on the worldwide climate.

### » The Passive House – a driving force for the regional economy

The state of Saxony has recognized the role the Passive House can play in strengthening the regional economy and supports the construction of these highly efficient buildings with the so-called 'Innovations- und Praxisverbund Passivhaus' (innovation and implementation network Passive House) for exemplary projects. Moreover, the bank 'Sächsische Aufbaubank - Förderbank -' offers a subsidy programme. In the Free State of Saxony it is therefore now possible for every future home-owner to fulfil his/her dream of a Passive House at nearly no additional costs. As a side effect, the regional building trade is strengthened, as the required competence for successful implementation can be found here.

### » Activities in Central- and Eastern Europe

Activities in Central and in Eastern Europe form another central topic for the upcoming Passive House Conference. The main focus will be on reports from those who have gained experience with the implementation of projects, with team work and with communication in recently established networks, as well as on the regional potential for the trades.

Further information and registration:  
[www.passivhaustagung.de](http://www.passivhaustagung.de)  
[www.passivehouseconference.org](http://www.passivehouseconference.org)

## AGENDA FOR FRIDAY 28 May 2010 \*

### PLENARY SESSION

9:00	Opening: Frank Kupfer, Minister of the federal state government of Saxony
9:30	Burkhard Schulze Darup: Achieving climate neutrality in the building sector by 2050
10:00	Martin Treberspurg / Roman Smutny / Alexander G. Keul: Energy monitoring and analysis of user satisfaction in existing Passive House housing estates in Vienna
10:30	Wolfgang Feist: Passive Houses – Growth in all dimensions
11:00	Tour of the Passive House exhibition

### 12:00 MIDDAY BREAK

HALL Large Hall	ROOM Conference 5+6	ROOM Conference 1+2	ROOM Conference 3+4
Panel Session I: Passive House in Saxony	Panel Session II: Energy efficiency and preservation of historical monuments	Panel Session III: Passive House in Central and Eastern Europe	Panel Session IV: Progress in Passive House Technology
13:30 Olaf Reiter & Günther Rentzsch   Playing in a Passive House: 2 kindergartens in Dresden and Heidenau	Christian Conrad   Optimised energy-efficient refurbishment of a listed baroque building – Structural physics evaluations and their implementation.	Georgi Nikolov   First steps of Passive Houses in Bulgaria	Hasim Altan   Moving towards Passive House Standards in university student accommodation blocks at Lancaster and Leeds metropolitan universities in the UK
13:55 Karsten Vietor   Passive House double sports hall in Dresden-Weixdorf	Günther Gantioler   Refurbishment of a listed monumental building	Ervins Krauklis   First Passive House in Latvia: A real example	Alan Clarke   The importance of hot water system design in the Passive House
14:20 Cornelia Ködderitzsch & Emmerich Seibel   Specific requirements and problems with the refurbishment of a non-residential pre-fabricated building to Passive House Standard	André Zaman   Refurbishment of a listed monumental apartment building using Passive House components	Cristina Victoria Ochinciu   Passive House in Romania - a result of innovative sustainable design	Szymon Firlag   Influence of heating systems type on the thermal comfort and energy demand in single-family Passive buildings
14:45 Jerzy Timm   The Passive House construction method - saving energy competitively	David Wohlgenuth   Preservation of historical monuments and energy efficiency - Model Project "White Villa"	Hana Urbaskova   A passive wooden structure of a family house in the Czech Republic	John Williamson   Passive House offices energy monitoring & analysis
15:10 COFFEE BREAK			
Panel Session V: Latest Research and Development News	Panel Session VI: Sustainability and economy of non-residential buildings	Panel Session VII: Climatic challenges and comfort in a Passive House	Panel Session VIII: Refurbishments
16:00 Benjamin Krick   New certification criteria for transparent Passive-House-suitable components	Claus P. Baumeister   Energy efficiency in the Passive House office building	Christoph Begert   Passive House techniques in Australia - A case study	Patrick Daly   Achieving Passive refurbishment in a 19th century traditional Irish cottage
16:25 Søren Peper   Interior insulation and moisture in walls	Max Noack   Future-proof - Archive building in the Passive House Standard	Peters Christoph   LIMA - Low Impact Mediterranean Architecture	Michael Klinski   The first apartment house renovation with passive house components in Norway
16:50 Jürgen Schnieders   Insulation of the basement ceiling during modernisation: a moisture problem?	Volker Kylau   Passive House standard for laboratory buildings	Miwa Mori   Planning and construction of the first Passive House in Japan	Robert Cohen & Robert Prewett   Whole house refurbishment of a dwelling in a conservation area
17:15 Eberhard Paul   Air quality and ventilation losses for twelve different ventilation methods	Pia Regner   Experiences from the follow-up of the Plusenergie triple sports hall in Herrieden	Roberto Lollini   A parametric study of a Passive House under different Italian climate conditions	Florian Kagerer   Refurbishment of a high rise residential building to the Passive House Standard
17:40 Marc Großklos   Optimisation of distribution losses and energy input for provision of hot water in multi-family Passive Houses	Anne Huse   Economy of an office building: Passive House versus EnEV 2009	Barbara Wauman   Determination of boundary conditions for passive schools: impact on the energy demand for heating/cooling (case study)	Mario Bodem   "Reconstruction of the reconstruction" - dealing with the mistakes of the past
19:30	EVENING EVENT (reservation must be made in advance)		

## AGENDA FOR FRIDAY 28 May 2010 \*

## AGENDA FOR SATURDAY 29 May 2010 \*

### PLENARY SESSION

9:00	Opening: Wolfgang Feist
9:15	Günter Lang / Kerstin Branke: PassiveHouseDataBase.com - Preliminary analyses and trends from the new multilingual global database
9:45	Franz Freundorfer: Four years of work in a regional network for the promotion of Passive Houses
10:15	Greeting: Rainer Bomba, State Secretary of the Federal Ministry of Transport, Building and Urban Development Greeting: Michaela Holl, Directorate General for Energy, Unit Energy Efficiency of the European Commission
10:30	Presentation of the Architecture Prize 2010 Passive House

### HALL Large Hall

	Panel Session IX: Passive House residential buildings - refurbishments/solutions/examples
11:20	Martin Teigeler   Campo am Bornheimer Depot - Urban repair in the Passive House Standard
11:45	Edit Varga & Andreas Drechsler   Energy-efficient and acoustic refurbishment of residential buildings - from the old building to the acoustically optimised Passive House
12:10	Tobias Timm   Adaptation of heat distribution systems in renovations using Passive House components
12:35	Eberhard Hinz   Costs of energy-efficient modernisations of the current residential building stock

### 13:00 MIDDAY BREAK

	Panel Session XIII: Comfort and Good Health
14:00	Walter-Reinhold Uhlig   Radon pollution in Passive Houses
14:25	Norbert Stürz   Heat recovery ventilation - quality requirements and standards
14:50	Oliver Kah   Influence of controlled ventilation on the air quality in classrooms
15:15	Alexander G. Keul   Subjective/objective temperature/humidity in the Passive House Kammelpweg in Vienna
15:40	Rainer Pfluger   Fresh air - and not too dry please! Physiological influences of low indoor air humidity

### 16:05 COFFEE BREAK

16:30	Wolfgang Feist, Sustainability and the Passive House
17:00	End of the Conference

### PLENARY SESSION

## AGENDA FOR SATURDAY 29 May 2010 \*

ROOM Conference 5+6	ROOM Conference 1+2	ROOM Conference 3+4
Panel Session X: Passive House in Central and Eastern Europe	Panel Session XI: Refurbishments using Passive House Components - Examples	Panel Session XII: Passive House Networking- Discussion
11:20 Enikő Sariri-Baffia   Experiences of Passive House residents in Hungary regarding passive cooling - certified products available in Hungary	Werner Haase   Exemplary energy-efficient refurbishment of a typical post-war church involving solar technologies	Anda Kursisa   Promotion of low-energy and Passive House Standard in Latvia. Successful PR strategies
11:45 Jan Tywoniak   Passive Houses in the Czech Republic 2010: Still at the starting point?	Anke Unverzagt   Acceptance and use of Passive House technologies for renovation – a report from Hannover	Mario Bodem   A Passive House exhibition as an instrument of promoting the PH concept in Europe. Example: Germany, Hungary and Ukraine
12:10 Tobias Timm   Adaptation of heat distribution systems in renovations using Passive House components	Günter Schlagowski   Passive House church and Passive House sports hall in Poland	Ludwig Rongen   The energy renovation of municipal buildings in the City of Baesweiler – the integral planning phase
12:35 Eberhard Hinz   Costs of energy-efficient modernisations of the current residential building stock	Ljubomir Miscevic   Passive House in southern Central Europe	Raimund Rainer   Passive House refurbishment of the community centre in Karrösten
13:00 MIDDAY BREAK		
Panel Session XIV: Passive House - in Practice	Panel Session XV: Non-residential buildings - Examples	Panel Session XVI: Economy/Ecology/Sustainability
14:00 Walter-Reinhold Uhlig   Radon pollution in Passive Houses	Rainer Vallentin   The dilemma of moderate quality	Susanne Theumer   The first certified Passive House supermarket in the world in Tramore, Ireland
14:25 Norbert Stürz   Heat recovery ventilation - quality requirements and standards	Helmut Krapmeier   Passive House + social/non-profit housing = ugly architecture?	Ludwig Rongen   The first nursing home as a Passive House in steel modular construction
14:50 Oliver Kah   Influence of controlled ventilation on the air quality in classrooms	Annette Bähr   Advanced training for the Certified Passive House Designer	Günter Limberger   Rückgrat Fitnesscenter
15:15 Alexander G. Keul   Subjective/objective temperature/humidity in the Passive House Kammelpweg in Vienna	Thomas Hoffmann   Passive House Standard architect contests - example of a new construction for a school	Gernot Vallentin   A Passive House for the little ones
15:40 Rainer Pfluger   Fresh air - and not too dry please! Physiological influences of low indoor air humidity	Mariam Djallili   Assessment of energy performance at an early stage of planning. The IEAA tool for architecture contests	Martin Treberspurg   The Austria House. A Passive House for the Winter Olympics 2010 in Vancouver
16:05 COFFEE BREAK		
16:30	Wolfgang Feist, Sustainability and the Passive House	*subject to alterations
17:00	End of the Conference	

## REGISTRATION

- » Online-Registration at [www.passivehouseconference.org](http://www.passivehouseconference.org)
- » Registration for participation at the 14th International Passive House Conference 28/29 May 2010.

Name, First name:

Company/Institution/Authority:

Street:

State Code/Postal Code/Town:

Phone/Fax:

E-Mail:

- » Please tick:
  - Participation Friday 28 / Saturday 29 May 2010
  - Participation **only** on Friday 28 May 2010
  - Participation **only** on Saturday 29 May 2010
  - Participation in the excursion, TOUR NR. \_\_\_\_\_ to built Passive Houses projects on Sunday 30 May 2010\* (only for registered participants of the conference)
  - Participation in the evening event on Friday 28 May 2010\* \* (The number of participants is restricted)
  - Member of the IG Passivhaus
  - Speaker accepted by the conference advisory council
  - Student (copie of the student ID card enclosed)
  - Registration and payment carried out before 6<sup>th</sup> April 2010

The participation fee is € \_\_\_\_\_ (invoice will be sent)

I hereby acknowledge and accept the overleaf business terms and conditions of the organisers for the 14th Passive House Conference 2010. The liability of the organisers is limited to the participation fee paid.

- Please accept my registration for the 14th Passive House Conference, to be held in Dresden on 28/29 May 2010. I am aware that my registration is binding.

City, Date:

Signature: