

# Passive House Conference

## CREATING A SUSTAINABLE CONSTRUCTION CULTURE WITH THE PASSIVE HOUSE CONCEPT

We cordially invite you to the 11<sup>th</sup> International Passive House Conference 2007 in Bregenz on Lake Constance. Architecture and the passive house is the focus of the meeting this year. Many projects demonstrating an architecture suitable for the future using the passive house standard are presented. The technical quality and architectural quality are no contradiction, in fact they combine most beautifully here. In addition to the focus on architecture, the conference offers talks on the topics of

renovation using passive house components, international passive house projects, non-residential buildings, realisation and financing as well as domestic services technology.

On Sunday April, 15<sup>th</sup> 2007, excursions offer the opportunity to view passive houses in Vorarlberg and southern Germany under expert guidance. The meeting is being held in Bregenz for the second time. This is to show appreciation to the leading role which the state of Vorarlberg has in energy efficient construction and architecture. Since the days of the „Vorarlberger Bauschule“ in the 60s and the movement of the „Vorarlberger Baukünstler“ in the 80s, Vorarlberg is internationally recognized for its clearly delineated architecture and sophisticated simplicity, for its well anchored and lively building culture, which emphasises high quality and continuous development. Contemporary architecture and sustainable construction are not opposites in Vorarlberg: 70 % of all newly constructed dwellings fulfil the criteria for the ecological residential building subsidy. If judged by its population size, Vorarlberg has the largest density of passive houses in Austria, maybe even in Europe. Major recognition is also due to the state for the requirement that all social housing from 2007 on will be built to the passive house standard. This means a long term securing of social housing construction because the heating cost subsidy is already two to four times the total heating costs required of a passive house. The Vorarlberg Energy Institute, which celebrated 20 years in 2005, is actively involved in this development.

On the federal level the programmes „House of the future“ from the Austrian Federal Ministry for Traffic, Innovation and Technology (BmVIT) and „klima:aktiv haus“ (= Climate:active house) from the Austrian Federal Ministry for Agriculture and Forestry, Environment and Water Economics (BmLFUW), provide an important contribution to the spreading of the word about the passive house standard.

# Conference Programme, Friday 13.04.2007

**9:00 PLENARY MEETING:** Opening by **Federal Minister Werner Faymann** (BmVIT) and **Federal Minister Josef Pröll** (BmLFUW) prospective, **Landeshauptmann Herbert Sausgruber**, **Bürgermeister Markus Linhart**  
**Angela Köppl:** Macroeconomic Aspects of highly efficient Building Technologies  
**Mark Zimmermann:** Impact of Energy Standards on the Environment  
**Wolfgang Feist:** Setting off to Energy Efficiency  
**11:15** Joint visit to the exhibition

**13:00 Lunch**

## GROSSER SAAL

**Session 1:**  
**Architecture and the Passive House**  
**Chairwoman: Hannelore Deubzer**

## SEESTUDIO

**Session 2: Modernisation using**  
**Passive House Components**  
**Chairman: Peter Holzer**

## SAAL BODENSEE

**Session 3:**  
**Passive House Components**  
**Chairman: Johannes Werner**

## SAAL PROPTER HOMINES

**Session 4:**  
**Passive Houses in cold Climates**  
**Chairman: Theodor Zillner**

**14:30 Raimund Rainer**  
 Passive House High School Brixlegg-Tirol

**Heinz Plöderl, Bernhard Gasser**  
 Example Schwanenstadt

**Rainer Pfluger** Constructional and technical Noise Protection for Passive House Compact Devices

**Szymon Firląg**  
 Certified Passive Building in Poland

**14:50 Georg Kogler**  
 >house on the mühlweg

**Burkhard Schulze Darup**  
 Project report Bernadottestrasse 42 - 48

**Herbert Bley**  
 Development of a Compact Device on a Gas Basis

**Ulla Janson**  
 Experiences from Apartment Buildings as Passive Houses in Sweden.

**15:10 Florian Lichtblau**  
 Multi-family House built from Wood

**Matthias von Oesen**  
 Modernisation of a Furniture Store in the Passive House Standard

**Christof Drexel**  
 Economy and Energetic Performance of semi-centralised Concepts

**Stephan Tanner, Thomas Rühle, Edwin Dehler** 1st Certified Passivhaus in the USA: Innovative, Integrated Building Technology in a Cold Climate

**15:30 Georg W. Reinberg**  
 Solar Passive House - Day Nursery in Wien

**Dieter Wolff** Equivalent Energy Price for Modernisation using Components appropriate to the Passive House

**Jürgen Schnieders**  
 Comfort Requirements for Passive House Windows

**Inger Andresen**  
 Passive House Projects in Norway - An overview

**16:10 Coffee break**

**Session 5:**  
**Experience from Construction Practice**  
**Chairman: Robert Borsch-Laaks**

**Session 6:**  
**Large Passive House Projects**  
**Chairman: Hannes Bauer**

**Session 7: Economic Efficiency, Financing and Marketing**  
**Chairman: Manfred Görg**

**Session 8:**  
**New Passive Houses and Renovations**  
**Chairman: Henk Kaan**

**16:40 Werner Füllner**  
 A Passive House Quarter is developed

**Wilhelm Hofbauer**  
 Passive House Dwelling House Complex Pantucek-Gasse

**Andreas Franzelin** Marketing for Passive Houses? Potentials deduced from Experiences with the South Tyrol „ClimateHouse“

**Michiel Ham**  
 A Renovation Challenge: From outdated 1953 to Passive House 2007

**17:00 Gernot Vallentin**  
 Routes to a free Design for cost-efficient Passive Houses

**Roland Matzig**  
 Solar quarter in the Rosengarten

**Tobias Timm** Marketing of Building Land intended for the Construction of Houses in the Passive House Standard

**Henrik Tommerup**  
 Energy Renovation of a Typical Danish Single-family House

**17:20 Ludwig Rongen**  
 Increase in the Satisfaction of Inhabitants of Passive Houses / Avoidance of Constructional Faults

**Manfred Brausem**  
 10 years of Experience in Passive House Planning „Sensitive Points“

**Gerrit Horn**  
 Effect of the Passive House Standard on the Financing of individual Living Costs

**Henrich Pifko**  
 Affordable Passive Houses for CE Countries

**17:40 Ernst Heiduk**  
 Experience with the Passive House Standards in the Education of Architects

**Martin Treberspurg** Multi-family Houses in Passive House Construction in Vienna and Lower Austria

**Ernst Michael Jordan**  
 About the economic Benefits of Passive Houses

**Joseph D. Brannon**  
 Success of PassivHaus in Economic Analyses of Military Family Housing

**20:00 Evening event** (reservation must be made in advance)

More information and registration: [www.passivhaustagung.at](http://www.passivhaustagung.at)

+++ CONFERENCE LANGUAGES: German, English +++ Simultaneous translation into English will be provided at all German-spoken sessions +++ CONFERENCE LANGUAGES: German, English +++ Simultaneous translation

# Conference Programme, Saturday 14.04.2007

**09:00 PLENARY MEETING:** Jón Kristinsson: Experience with high Energy efficient Buildings in the Netherlands  
**09:30** Helmut Krapmeier: Passive House: Market Implementation Strategies  
**10:00** Martin Sambale, Peter Holzer: Qualification as a Passive House Planner - what are the Roads to Success?

**10:30 Coffee break**

GROSSER SAAL	SEESTUDIO	SAAL BODENSEE	SAAL PROPTER HOMINES
<b>Session 9:</b> <b>Architecture for Passive Houses</b> <b>Chairman: Otto Kapfinger</b>	<b>Session 10:</b> <b>The Building Skin for Passive Houses</b> <b>Chairman: Martin Ploss</b>	<b>Session 11:</b> <b>Service Experience</b> <b>Chairman: Peter Holzer</b>	<b>Session 12:</b> <b>Passive Houses in Hot Climates</b> <b>Chairman: Jürgen Schnieders</b>
<b>11:00 Heinz Plöderl</b> Wels Fair Centre - Passive House Standard for the „Energy Saving Fair“	<b>Claus P. Baumeister</b> Building automation in Passive Houses	<b>Fritz Oetli</b> extremely cozy	<b>Ljubomir Mišević</b> Passive Houses in Croatia - Projects and Realizations
<b>11:20 Martin Rührnschopf</b> Simultaneously planned Passive Houses	<b>Tanja Schulz</b> Limits to the heatbridge-free Construction	<b>Sebastian Herkel</b> Operating Experiences of the Zero Energy House in Voggenthal	<b>Katrin Klingenberg</b> Passive House under Construction in California
<b>11:40 Simon Speigner</b> Exemplary Dwelling House Constrution Samer Mösl, Salzburg	<b>Wolfram Breitenbach</b> Quality Assurance for VIP Elements	<b>Peter Schwerdtfeger</b> Building Technology in Multi-story Construction – example Sophienhof	<b>David Stecher</b> Warm Climate Building Strategies
<b>12:00 Michael Tribus</b> Conversion and Renovation of the former Post Office Building in Bozen	<b>Oliver Kah</b> Air Exchange and energetic Conse- quences of Door Opening Processes in the Entry Zone of a School	<b>Ernst Blümel</b> Monitoring the Housing of the Future! - Measuring Results for sustainable Building for various utilisation Types	<b>Gabriele Masera</b> A Passive School in Milan: Exemplary for temperate climates

**12:40 Lunch**

<b>Session 13:</b> <b>Non-residential Buildings</b> <b>Chairman: Rainer Vallentin</b>	<b>Session 14:</b> <b>Old Buildings redesigned</b> <b>Chairman: Burkhard Schulze Darup</b>	<b>Session 15: Active Implementation of the</b> <b>Passive House Standard</b> <b>Chairman: Martin Sambale</b>	<b>Session 16:</b> <b>Trends and Experiences</b> <b>Chairman: Robert Hastings</b>
<b>14:30 Klaus Kiessler</b> SOL4 Eichkogel Office and Seminar Centre I	<b>Detlef Christ</b> Exisiting Multi-family Passive House. Realisation - Self-building - Utilisation	<b>Thomas Leiser</b> The Südstadt Forum „Qualification and Culture“ in Nuremberg	<b>Alexandra Troi</b> Overview of Realized Passive Houses in South Tyrol / Italy and Trends
<b>14:50 Søren Peper</b> Passive House Primary School Frankfurt a.M. - Monitoring results	<b>Michael Felkner</b> Rationalisation Options for Building Renovation using Passive House Components	<b>Peter Schwarzwinger</b> Experience Passive House Quality with Emotions	<b>Yan Schmitt</b> PaMo - Monitoring of a Passive House in South Tyrol, Italy
<b>15:10 Georg W. Reinberg</b> Working and Quality of Life in the clay pre- fab Passive House	<b>Thomas Knecht</b> Factor 10 Modernisation - Neuschwansteinblick	<b>Günter Lang</b> Is something less than the Passive House Standard still affordable?	<b>Roel De Coninck</b> Design of the self-supporting Belgian Antarctic station: a passive building running on sun and wind energy
<b>15:30 Gunter Lindemann</b> Passive House Office Building EnerGon measured Results and Operating Results	<b>Albert Schmid-Kirsch, Peter B. Schmidt</b> Energetic Renovation of the St. Nicolai Community Hall, Hanover	<b>Matthias von Oesen,</b> <b>Ulrich Imkeller-Benjes</b> Passive House Supply Variants	<b>Barbara Faigle, Stefan Oehler</b> 10 years of Passive House construction

**16:00 Coffee break**

**16:30 PLENARY MEETING:** Summaries from the sessions  
**17:15 Wolfgang Feist:** Tasks - Challenges - Outlook  
**17:45** End of the meeting

# Registration

Registration for participation at the 11<sup>th</sup> international conference  
on passive houses 13. - 14 April 2007

Surname, first name: \_\_\_\_\_

Company/institution/organisation: \_\_\_\_\_

Street: \_\_\_\_\_

State code/postal code/Town: \_\_\_\_\_

Phone/fax: \_\_\_\_\_

E-Mail: \_\_\_\_\_

## PLEASE TICK:

- ☐ Participation Friday and Saturday 13 and 14 April 2007
- ☐ Participation only on Friday 13 April 2007
- ☐ Participation only on Saturday 14 April 2007

☐ Participation in the evening event Friday 13 April 2007

☐ Participation in the excursion to existing Passive Houses,  
Sunday 15 April 2007 (only for registered participants at  
the conference) Number of the excursion \_\_\_\_\_

- ☐ Member of the IG Passive House
- ☐ Exhibitor at the Passive House Exhibition
- ☐ Speaker/poster contribution selected by the conference  
advisory council
- ☐ Student - copy of the student ID card enclosed
- ☐ Registration and payment carried out before 15.03.2007

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

I hereby acknowledge and accept the business terms and  
conditions overleaf of the organisers for the 11<sup>th</sup> Conference on  
Passive Houses 2007. The liability of the organiser is limited to  
the participation fee paid.

**PLEASE ACCEPT MY REGISTRATION FOR THE 11<sup>TH</sup> INTERNATIONAL CON-  
FERENCE ON PASSIVE HOUSES. I AM AWARE THAT MY REGISTRATION IS  
BINDING.**

Place, date \_\_\_\_\_

Signature \_\_\_\_\_

## Registration



### 11<sup>TH</sup> INTERNATIONAL CONFERENCE ON PASSIVE HOUSES 13 AND 14 APRIL 2007

**REGISTRATION BY POST TO:** Energieinstitut Vorarlberg  
Stadtstr. 33, A-6850 Dornbirn

**BY FAX TO:** +43 (0) 5572 / 31 202 – 180

Please use the online registration and hotel reservation at  
**WWW.PASSIVHAUSTAGUNG.AT**

#### SUPPORTED BY:



## Conference Fees

### CONFERENCE 13 AND 14 APRIL 2007

Early booking rate (by 15.03.2007):	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,- €
Discount for exhibitors:	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 event the conference fee is reduced accordingly:

Early booking rate (by 15.03.2007):	310,- €, after this 360,- €
Discount for members of the IG Passive House:	15,- €
Discount for exhibitors:	15,- €
No reduction for speakers or poster contributions with participation on just one day is possible.	

### EVENING EVENT FRIDAY 13.04.2007 - 20:00

Dinner, live music and a surprise: (limited number of participants)	44,- €
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### EXCURSION ON SUNDAY 15.04.2007

incl. lunch and technical guidance (only for conference participants, limited number of participants)	55,- €
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#### 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 15.03.07. 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 26.03.2007 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 11<sup>th</sup> 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

Hannelore Deubzer, München (DE) • Wolfgang Feist, Darmstadt (DE)  
Manfred Görg, Hannover (DE) • Peter Holzer, Krems (AT)  
Henk Kaan, Petten (NL) • Otto Kapfinger, Wien (AT)  
Helmut Krapmeier, Dornbirn (AT) • Rainer Pfluger, Darmstadt (DE)  
Martin Sambale, Kempten (DE) • Burkhard Schulze Darup, Nürnberg (DE) • Mark Zimmermann, Dübendorf (CH)

On Sunday, 15 April 2007 there will be the opportunity to attend one of a number of different tours to visit Passive Houses.

Starting point is the Festival House Bregenz

### ■ EXCURSION 1A – GERMAN

Short tour: Passive Houses in Vorarlberg - public buildings  
08:00-14:30, with lunch

### ■ EXCURSION 1B – ENGLISH

Short tour: Passive Houses in Vorarlberg - public buildings  
08:00-14:30, with lunch

### ■ EXCURSION 2 – GERMAN

Long tour: Passive Houses in Vorarlberg - Passive House and Architecture  
08:00-17:30, with lunch

### ■ EXCURSION 3 – GERMAN

Long tour: Passive Houses in Southern Germany – Industry and public buildings  
08:00-17:30, with lunch

The number of participants of each excursion is limited to 50 persons.

## Evening Event Friday 13. April 2007, 20:00

“PASSERANT” - Excellent dinner, live music and social program at 20:00 in the Seefoyer of the Festival House  
The number of participants is limited.

Photos: Community Center Ludesch, Architect: Hermann Kaufmann, Photos: Gebhard Bertsch;  
Elementary School Klaus, Architects: Dietrich/Untertrifaller, Photos: Bruno Klomfar;  
Block of Flats Falkenweg in Dornbirn, Architect: Johannes Kaufmann, Photos: J. Kaufmann

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 2007 Passive House Exhibition in Bregenz.

- Building companies, specialist federations, architecture and engineering offices
- Producers of windows, doors, ventilation systems and insulating materials,
- Providers of building parts, construction systems, technical services installations and solar companies

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

- Entrance to the exhibition is free for all visitors.
- Conference and exhibition take place directly next to each other in the Festival House Bregenz.
- 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 2007 Passive House exhibition.

### 2007 PASSIVE HOUSE EXHIBITION

**DATE:** Friday 13 April – Saturday 14 April 2007  
**LOCATION:** Festspielhaus / Festival House Bregenz  
**OPENING HOURS:** 13 April 2007 9 am - 7 pm  
14 April 2007 9 am - 5 pm  
**EXHIBITION AREA** 2100 m<sup>2</sup>

### 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 :

Energieinstitut Vorarlberg • Tel. +43 (0) 5572 - 31 202 -80, Fax: -180  
e-mail: [ausstellung@passivhaustagung.at](mailto:ausstellung@passivhaustagung.at)

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

# 11<sup>TH</sup> INTERNATIONAL CONFERENCE ON PASSIVE HOUSES 2007



## Programme of the Passive House Conference 2007 with Passive House Exhibition

Festival House Bregenz  
on Lake of Constance (Austria)

Friday 13 and Saturday 14 April 2007  
Conference and Exhibition

Sunday 15 April 2007  
Excursion

