

## 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:

- 1: 'Haus der Kinder' at Tivoli, reitter\_architekten © PHI  
2: Secondary School in Brixlegg, ARCHITEKT RAIMUND RAINER ZT GmbH © simonrainer.com  
3: Haus Singer, Völs, Schaffner Holzbau © eli krismer zweiraum  
4: Secondary School in Brixlegg, ARCHITEKT RAIMUND RAINER ZT GmbH © simonrainer.com  
Frontpage: Lodenareal, Innsbruck, Neue Heimat Tirol Gemeinnützige WohnungsgmbH © PHI

## Supported by:



## » Conference: Friday and Saturday, 27 and 28 May 2011

**Early booking rate** (by 1 April 2011): €490  
Regular rate: €595  
Speaker rate: €165  
(Only one speaker discount will be granted for each accepted oral and/or poster contribution)  
Poster presenter rate: €320  
iPHA member discount: €30  
Student discount: 50%  
(Full-time students only; copy of ID card must be enclosed with registration)

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

**Early booking rate** (by 1 April 2011): €355  
Regular rate: €435  
iPHA member discount: €15  
(Please note that no further discount is possible for speakers or poster presenters wishing to participate on just one day)

## » Evening Event: Friday, 27 May 2011

(The number of participants is restricted) €69  
Dinner in the historical Salzlager Hall followed by a visit to the Hasegg Castle Minting Tower. 8.00 pm/Shuttle buses leave from the conference centre from 7.00 pm onwards.

## » Passive House excursion: Sunday, 29 May 2011

Guided tour and packed lunch: €90  
(For conference participants only; the number of participants is restricted)  
All prices include VAT

## » Cultural programme:

Conference participants can attend these tours free of charge. Email registration prior to 2 May 2011 required by writing to tagung@passiv.de.

**Saturday, 28 May 2011** | 7.00 pm to 8.30 pm; Language: English,  
An indecent story - Innsbrucks everyday life in the Middle Ages

**Saturday, 28 May 2011** | 7.00 pm to 8.30 pm; Language:  
German, Night watchman tour – Explore Innsbruck's darker times.

**Sunday, 29.05.2011** | 10.00 am to 12.00 pm; Languages: English  
and German, "ARCHITECTOUR" Important examples of modern  
architecture in the city of Innsbruck.



## » 1. Registration

Registrations must be either submitted online or by post. Registrations are binding and will be processed in the order in which they are received. The number of participants is limited. After registration, you will receive an invoice. The **early booking** discount can only be granted if both **registration and payment** are completed before **1 April 2011**. Only those who have paid the applicable fees in full will be admitted to the conference. Only cancellations in writing will be accepted. All cancellations before 30 April 2011 will incur a €70 processing fee. No refund will be granted for no-shows and cancellations made after 30 April 2011, but a substitute participant may be named.

## » 2. Services

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

## » 3. Cancellation, restriction of liability

In the event that the 15th Passive House Conference / Passive House Basics Course must be cancelled, the participants will be notified immediately and will be reimbursed for the participation fee already paid. The liability of the organisers is limited to reimbursement of the paid participation fee only.

## » 4. Scientific conference advisory board

Roland Digel, Osnabrück (DE), Wolfgang Feist, Innsbruck (AT), Gerald Gaigg, Innsbruck (AT), Harald Halfpaap, Hannover (DE), Robert Hastings, Wallisellen (CH), Olivier Henz, Verviers (BE), Lorant Krajcsovics, Bratislava (SK), Helmut Krapmeier, Dornbirn (AT), Christina Krimbacher, Innsbruck (AT), Ljubomir Mišćević, Zagreb (HR), Søren Pedersen, Næstved (DK), Rainer Pfluger, Innsbruck (AT), Raimund Rainer, Innsbruck (AT), Ludwig Rongen, Wassenberg (DE), Burkhard Schulze Darup, Nürnberg (DE), Rolf-Peter Strauß, Bremen (DE), Susanne Theumer, Darmstadt (DE), Jan Tywoniak, Prag (CZ), Etienne Vekemans, Paris (FR), Mark Zimmermann, Dübendorf (CH)

## » EXCURSION:

On Sunday 29 May 2011 participants are welcome to attend one of the tours to visit Passive Houses (new builds and refurbishments). All tours include bus journeys, on-site tours, translation into English and packed lunch. The tours start and end at the Congress Innsbruck.

## » TOUR 1 | Innsbruck and vicinity | 8.30 am – 4.00 pm

New build, residential complex | New build, single-family houses | Refurbishment of a listed building, school | New build, residential complex

## » TOUR 2 | Innsbruck and vicinity | 8.45 am – 4.00 pm

New build, residential complex | Refurbishment of a listed building, school | New build, kindergarten | New build, single-family houses

## » TOUR 3 | Innsbruck and Tyrolean Lowlands | 7.45 am – 3.00 / 4.00 pm

New build, single-family houses | New build, residential complex | Extension, kindergarten | Research centre, production facility (heat pumps)

**The tour can be left early at train station Wörgl (all EC-trains stop here) at 3 pm**

## » TOUR 4 | Innsbruck and Tyrolean Lowlands | 8.15 am – 3.00 / 4.15 pm

2 new builds, single-family houses | Extension kindergarten | Production facility with Passive House components (windows)  
**The tour can be left early at train station Kufstein (all EC-trains stop here) at 3 pm**

## » TOUR 5 | Innsbruck and Tyrolean Highlands | 8.00 am – 3.30 pm

New build, residential complex | 2 refurbishments, schools | New build, special-use building (agricultural centre)

## » TOUR 6 | Innsbruck and Tyrolean Highlands | 7.45 am – 3.15 pm

Refurbishment and new build, school | New build, public building | New construction, residential complex | New build, single-family houses

The organisers reserve the right to changes to the itinerary. (The number of participants is limited)

## » 2011 Passive House Exhibition

Passive House components provide maximum comfort with minimum energy costs in new buildings and refurbishments alike. Whether you want insulation materials, windows or ventilation systems with heat recovery - all leading manufacturers of Passive House components will be represented at the accompanying specialist exhibition. Here you will find first-class advice, information materials, illustrative models and experts happy to answer your questions.

Date: Friday and Saturday, 27 and 28 May 2011

Venue: Congress Innsbruck  
Rennweg 3, A-6020 Innsbruck, Austria

Time table: 27 May 2011, 9.00 am – 7.00 pm  
28 May 2011, 9.00 am – 5.00 pm  
Admission to the exhibition free for all visitors

## » Exhibition Area Themes

- Insulation
- Windows and doors
- Ventilation systems with heat recovery, compact heat pump units, subsoil heat exchangers, stoves and heating systems, solar collectors
- Measuring devices for airtight construction and ventilation techniques, infrared cameras
- Products for ensuring airtightness
- Prefabricated houses and building components
- Contracting businesses, trade associations, architectural and engineering firms, energy consultants, quality assurers
- Software, specialist literature, advanced training

## » Target groups

Architects, designers, engineers, energy consultants, energy providers, craftsmen, scientists and researchers, retailers, manufacturers, local authorities, private property developers

## » 2010 Passive House Exhibition

3,100 m<sup>2</sup> exhibition area, 128 exhibitors,  
1,100 Conference participants

## » To order an information pack for exhibitors please contact:

Passive House Institute  
Anichstr. 29 / 54  
A-6020 Innsbruck, Austria  
Tel.: +43 (0) 512-570768  
Email: barbara.loebau@phi-ibk.at

15<sup>TH</sup> 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



» **The regional adaptation of Passive Houses ...**

... is the focus of the 15th International Passive House Conference. What are the challenges faced when applying the Standard in varying regional contexts? What creative solutions have been developed and how can they serve motivate others, thereby bringing added value to all?

In addressing these key questions, the programme will place special emphasis on Tyrol, a region with numerous Passive House projects and thus a fitting conference location. True to its international scope, however, the conference will feature projects from 15 countries ranging from Korea to Chile. With contributions on renovations using Passive House components as well as on non-residential buildings strongly represented, the programme promises to be both international and well-rounded. Held in parallel, a Passive House exhibition featuring products and services from leading companies will complement the main event. The 8 keynote speeches held in plenary, 72 presentations and over 30 posters combined with a lively Passive House exhibition will undoubtedly make for an exciting and memorable experience.

» **NEW: Passive House Basics Course**

The Passive House Institute, in cooperation with the University of Innsbruck and iPHA, is delighted to offer an introductory, English-language Passive House seminar as a precursor to the 15th International Passive House Conference. Entitled Passive House Basics, this full-day course is ideal for both first time Conference participants and for all those wishing to refresh their Passive House knowledge. Essentials such as heating and cooling, indoor air quality as well as cost efficiency will be covered by prominent Passive House experts, including Prof. Dr. Wolfgang Feist himself. Come celebrate the 20th anniversary of the Passive House by letting **Passive House Basics** bring you up to speed and help us take the Passive House Standard into its 3rd decade.

Venue: Großer Hörsaal, Bau fakultät University of Innsbruck, Technikerstraße 21

Date: Wednesday 25 May 2011 | Time: 9.00 am - 6.00 pm, Cost: regular rate: €300

iPHA-members / student rate: €100

Registration required in advance. Binding registration and detailed information available online at

[www.passivehouseconference.org](http://www.passivehouseconference.org).

**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	Peter Schneider, J.B. Clancy   Getting to Passive House in the Northeastern United States	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 V: Energy supply in Passive Houses – Examples and experience	Session VI: Urban planning and renovations	International Session VII: Non-residential buildings
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 zone	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)			

**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	Innsbruck Room	Brüssel Room	Strassburg Room
	Session IX: Renovating non-residential buildings	Session X: The latest on ventilation	International Session XI: Passive Houses all over the world	International Session XII: Deep energy retrofitting
10:45	Gerhard Kopeinig   A comparison of three schools renovated to the Passive House Standard	Gerald Lange   A presentation of various air distribution systems in residential buildings	Gernot Vallentin, Yoon-Boum Cho   Cooperation Passive House between planners in Korea and Germany	Benoit Witchalls   Lessons learnt from applying Passivhaus principles to a historical barn conversion
11:10	Martin Endhardt   Brewery and restaurant with hotel	Christof Drexler   Frost protection units: Up to a 90 percent energy savings through cyclical preheating	Sarah Lewis   Camden Passivhaus, London's First Passivhaus	Barbara Wörndle   Renovation of an apartment building in Eppan, Italy: The courage to start over again
11:35	Peter Hinz   Passive House renovation of a heritage home from 1733 and its conversion to an office	Olaf Reiter   Fire protection versus ventilation?	Agris Kamenders   Cost optimality and EnerPHit standard in Latvia	Robert Schild   Renovation of a single apartment to the Passive House Standard
12:00	Ludwig Rongen   Renovation of the Baesweiler municipal high school to the Passive House Standard	Oliver Kah   Air exchange and air quality in renovated apartments with conventional window ventilation and with controlled ventilation	Simone Kreutzer   Passive Houses between the 55th and the 69th parallel	Marc Großklos   Biomass façade insulation for existing multi-family dwellings
12:30	LUNCH			
	Session XIII: Non-residential buildings in the Passive House Standard	Session XIV: Building envelope, insulation and components	International Session XV: Students, schools and Passive Houses	International Session XVI: Research and examples
13:45	Esther Gollwitzer   Planning aspects for indoor public pools	Christoph Thiel   Passive Houses with clinker façades	Günther Jedliczka   Passive Houses for Active Students	Thomas Knecht   Single-family house Butovo – The first certified Passive House in Russia
14:10	Herwig Ronacher   Wooden Passive House pools	Bernhard Oberrauch   Passive House masonry walls – Renovations and new builds	Adam J. Cohen   Construction and Monitoring of the First US Passivhaus Public School Building	Miha Praznik   The results, characteristics and experience of passive residential construction in Slovenia
14:35	Raimund Rainer   Agrarian center West Imst, third construction stage	Andreas Andreatta   Glass foam granulate as insulation under load bearing components	Harald Krause   Energy concept and technology in the Rosenheim Solar Decathlon House	Bill Butcher   Passivhaus and cavity wall construction
15:00	Bernd Steinmüller   The Sande Passive House gymnasium – An example for building on sand?	Søren Peper   Monitoring: Passive House with seasonal sub floor slab solar storage	James Scott Brew   A Passive House Revisited – 27 Years Later	Björn Kierulf   Examples of technical solutions in various regions of Slovakia
15:25	Andreas Nordhoff   Experience with retirement homes	Werner Friedl   New multi-functional and special purpose doors with Passive House certified quality and CE conformity	Henrietta Lynch   Building 'The Works' Passive House at Ebbw Vale (film)	Benjamin Krick   Functional specifications for Passive Houses – A definition for all climates
15:50	COFFEE BREAK			
16:15	Wolfgang Feist   Passive Houses – one principle, many regional solutions			
17:00	End of event			
	Subject to alterations			

**PLENARY SESSION**

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

Subject to alterations

- » Online registration at [www.passivehouseconference.org](http://www.passivehouseconference.org)
- » Registration for **participation in the 15th International Passive House Conference**, 27 and 28 May 2011

Family name, Given name:

Company/Organisation/Institution/Authority:

Street address:

City and postal code:

Phone/Fax:

Email:

- » Please check your participation preferences:
    - Both** Friday and Saturday, 27 and 28 May 2011
    - Friday, 27 May 2011 **only**
    - Saturday, 28 May 2011 **only**
    - Passive House excursion; Sunday, 29 May 2011\*, Tour Nr. \_\_\_\_\_ (Only for registered participants of the conference)
    - Evening event: Friday 27 May 2011\*
    - Passive House Basics Course: Wednesday, 25 May 2011\* (The number of participants is restricted)
  - » Please check your participation status:
    - iPHA member
    - Speaker accepted by the conference advisory council
    - Student (copy of student ID enclosed)
    - Registration and payment carried out before 1 April 2011
- The participation fee is € \_\_\_\_\_ (invoice will be sent)

I hereby acknowledge and accept the terms and conditions as outlined in this flyer for the 15th Passive House Conference 2011. I also understand that the liability of the organiser is limited to the participation fee paid.

- Please accept my registration for the 15th Passive House Conference and/or Passive House Basics Course to be held in Innsbruck, Austria. I am aware that my registration is binding.

City, Date:

Signature: