

# Registration

Participation fee	Both days	1 Day
Participation fee	3 500 CZK	2 450 CZK
Participation fee – Early booking rate by 31. 8. 2007	2 900 CZK	2 050 CZK
Student discount	990 CZK	590 CZK
Student discount – Early booking rate by 31. 8. 2007	790 CZK	490 CZK
Excursion 12. 10. 2007		590 CZK
Evening event 10. 10. 2007		590 CZK
Discount for members of the Centrum pasivního domu		10 %

Participation fee includes proceedings, refreshment and simultaneous interpreting.

## Order:

- 10. - 11. 10. 2007
- Only 10. 10. 2007
- Only 11. 10. 2007
- Member of Centrum pasivního domu
- Student (please provide a copy of your student ID card)
- Evening event 10. 10. 2007
- Excursion 12. 10. 2007

First name: .....

Name: .....

Company: .....

Street: .....

City: .....

Country: .....

Postal code: .....

Tel.: .....

Fax: .....

E-mail: .....

Place, Date: .....

Signature: .....

Please send this filled form to: Centrum pasivního domu, Údolní 33, 602 00 Brno, Czech Republic. You can also register online at [www.2007.pasivnidomy.cz](http://www.2007.pasivnidomy.cz)

## Conference place

Exhibition Center Brno – Hall A (Rotunda)  
Výstaviště 1, 647 00 Brno, Czech Republic

How to get to Exhibition Center Brno:

- **Public travel**  
Tram No. 1 – stop Výstaviště  
Bus x35, x37, 44, 52, 68, 84 – stop Křížkovského
- **By car**  
Parking near the conference place – street Hlinky, at the main entrance to the Exhibition Center, at the Expoparking near Entry 4

### Organizer:

Centrum pasivního domu  
Údolní 33, 602 00 Brno  
Czech Republic  
Tel.: +420 511 111 810  
E-Mail: [konference@pasivnidomy.cz](mailto:konference@pasivnidomy.cz)  
[www.pasivnidomy.cz](http://www.pasivnidomy.cz)

Map

Supported by: Intelligent Energy Europe, ČEĀ, P R N O

Media partners: tzbinfo, TEPelná OCHRANA BUDOV



PASIVNÍ DOMY 2007

## Conference PASIVNÍ DOMY 2007

**10. – 11. October 2007**  
Brno, Výstaviště

The conference is held under the auspices of Mayor of the City of Brno Roman Onderka and director of Czech Energy Agency Ing. Josef Bubeník.

## PASIVNÍ DOMY 2007

Construction of passive houses is a dynamically developing sector of the European building industry. Its importance cannot be overlooked, and more and more trade professionals and members of the general public are beginning to take an interest in this trend.

Passive houses are characterised primarily by the fact that they require very little energy for heating (around a tenth of that of ordinary houses). This is achieved by the greatest possible elimination of heat losses, principally by means of good insulation, the airtightness of the building, and mechanical ventilation.

The passive house concept can also be applied during the refurbishment of existing buildings, making it possible to improve the interior environment in the house and its convenience of use, and (it goes without saying) to make a significant reduction to heating costs.

The international conference PASSIVE HOUSES 2007 is a perfect opportunity for obtaining information about new developments in the area of passive houses and for meeting up with acknowledged experts. Successful passive house projects in the Czech Republic and abroad are also to be presented at the conference.

Conference languages are Czech, German, and English. Simultaneous translation will be provided.

### POSTER PRESENTATION

A number of poster presentations, which will serve to supplement the information provided by the lectures in the main conference programme, will be on display in the foyer of the conference hall.

### ACCOMPANYING EXHIBITION

An exhibition is to be held throughout the duration of the conference, at which companies operating in the area of passive houses will be mounting presentations. The exhibition will provide information on products, materials and technology used in the construction of passive houses and the refurbishment of existing buildings.

The exhibition is designed both for professionals (architects, planners, investors, etc.) and for anyone else interested in passive houses or building or planning a passive house.

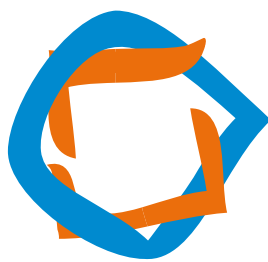
The exhibition is to be held in the foyer of the conference hall. Admission will be FREE.

### EXCURSION

As was the case last year, the conference is again to be accompanied by an excursion to passive houses in Austria. The programme of the excursion is to include residential buildings and civic amenities designed in various ways.

### SPECIALIST SEMINARS

A new feature of this year's conference is the fact that it is to be accompanied by two specialist seminars - "Passive Houses for Specialists" and "Calculating the Energy Demands of Passive Houses". These seminars are to be held on Friday 12<sup>th</sup> October.



## Conference programme

### Wednesday, 10<sup>th</sup> October 2007

Conference opening		
Guests of honour	Conference opening	9:00
Jürgen Schnieders	Development of the passive houses in the world	9:45
Georg W. Reinberg	Development, state of the art and future of the passive houses demonstrated with the examples by Georg W. Reinberg	10:15
Jan Tywoniak	Low-Energy und Passive Buildings in Czech Republic – Barriers and Opportunities	10:45
Discussion		11:15
Lunch break		11:30
Architecture, technical solutions, experiences from the building		
Mojmír Hudec	Passive houses using the straw. Examples of the buildings and possible solutions in passive houses.	13:30
Szymon Firląg	Certified passive building in Poland	13:50
Michal Navrátil	Building of a passive house under Czech conditions	14:10
Jan Řežáb	Commercial realisation of an energy efficient multi-family house in Czech Republic	14:30
Henrich Pířko	First passive houses in Slovakia	14:50
Discussion		15:10
Coffee Break		15:30
Renovation using passive house components		
Ernst Heiduk	Reflections on the greatest construction challenge – the refurbishment of Eastern European panel buildings	16:00
Beate Schneider	The sustainable and energy efficient refurbishment of a protected building using elements for passive houses and the innovative design of details	16:20
Michael Tribus	Conversion and Renovation of the former Post Office Building in Bozen	16:40
Matthias Taube	Factor-10 refurbishment in the case of a hundred-year-old apartment building in Chemnitz in Germany	17:00
Manfred Görg	The release onto the market of a refurbishment conception using elements for passive houses in Hannover	17:20
Discussion		17:40
Evening event		20:00

### Thursday, 11<sup>th</sup> October 2007

Non-residential passive buildings		
Andreas Nordhoff	An office building without additional costs thanks to intelligent technology	9:00
Lutz Laier	Lu-teco, design and building of a passive office building	9:20
Roman Smutny	A user assessment of the Molkereistraße passive student halls in Vienna	9:40
Discussion		10:00
Coffee Break		10:15
Architecture, technical solutions, experiences from the building		
Petr Morávek	The Český Ráj – Koberovy set of residential passive houses	10:45
Martin Treberspurg	Experience in the design and construction of a multi-storey passive apartment building against the example of Pantucekgasse	11:05
Eugen Nagy	Application of the energy optimisation method against the example of two passive houses	11:25
Martin Krč	Passive house Letovice	11:45
Werner Hackermüller	The working report climate–comfort–quality – from passive houses to CO <sub>2</sub> neutral houses – standards of quality and aesthetic relevance	12:05
Discussion		12:25
Lunch break		12:45
Innovative components und solutions for passive houses		
Klaus Michael	Ground heat in a passive house. Preheating air in winter and pre-cooling air in summer	14:00
Pavel Kopecký	The ground heat exchanger – assessment of data measured and thermal humidity simulation	14:20
Reinhard Weiss	Economy and Energetic Performance of semi-centralised Concepts	14:40
Eberhard Paul	Refurbishment with ventilation – placement of the unit and new variants for ventilation in houses and apartments	15:00
Jiří Novák	Measuring the airtightness of a set of energy passive houses in Koberovy – results and experience	15:20
Discussion		15:40
Coffee Break		16:00
Conference closing		
Roland Matzig	Solar quarter in the Rosengarten – quarter with 21 passive houses	16:30
Josef Chybík	Passive houses in architectural education	17:00
Josef Smola	The architect's responsibility in planning low-energy and passive houses	17:20
Panel discussion		17:40

## Accompanying programme

Exhibition  
 Exhibitors' forum  
 Excursion  
 Seminar Passive Houses for Specialists  
 Seminar Calculating the Energy Demands of Passive Houses