

# CESB 10 PRAGUE

**CENTRAL EUROPE TOWARDS  
SUSTAINABLE BUILDING  
FROM THEORY TO PRACTICE**

**UDRŽITELNÁ VÝSTAVBA  
BUDOV VE STŘEDNÍ EVROPE  
OD TEORIE K PRAKTI**

CALL FOR PAPERS

## TERM

Praha 30. 6. – 2. 7. 2010

## ORGANIZERS

**CSBS IISBE CZECH** – Czech Sustainable Building Society

**CTU IN PRAGUE**, Faculty of Civil Engineering,

Department of Building Structures

**CIDEAS** – Centre for Integrated Design of Advanced Structures

**KLOKNER INSTITUTE OF CTU**

## INTERNATIONAL CONVENERS

**CIB** – International Council for Research and Innovation  
in Building and Construction

**iisBE** – International Initiative for a Sustainable Built Environment

**UNEP-SBCI** – Sustainable Building and Construction Initiative of UNEP



## Sustainable building

Buildings represent an essential element of the built environment created for preserving quality of human life. Construction and operation of buildings belong among the biggest consumers of primary materials, energy resources, and environment pollutants as well. It is a well known fact that buildings in highly developed countries are responsible for about 30 or 40% of the total energy consumption and have the same share in production of carbon dioxide, waste and other pollutants.

The development of new technologies and the use of progressive materials and advanced construction solutions leading to quality improvement of buildings not only in economic, but also in the environmental and socio-cultural sense, represents a huge potential for sustainable society development. The population growth, depletion of primary materials, energy and drinking water sources, deterioration of the environment (including the consequences of global warming in the form of a higher frequency of natural disasters) necessarily lead to a more intensive search for new, environmentally suitable approaches and solutions. Sustainable building offers many opportunities for significant advancement in our Central Europe region.

## Conference objectives

The CESB10 Prague conference is a part of a 2010 international conferences series convened under auspices of iisBE - International Initiative for a Sustainable Built Environment, CIB - International Council for Research and Innovation in Building and Construction and UNEP-SBCI - Sustainable Building and Construction Initiative of UNEP. The main focus of these conferences is on the design and construction of Sustainable Buildings. The CESB10 Prague conference is aimed to cover the region of the Czech Republic, Austria, Croatia, Hungary, Germany, Poland, Slovakia, Slovenia and Switzerland. Contributions from other countries are also welcome. The main goal of the conference is to provide an important focus for sustainable building in these countries, and will also create a comprehensive overview from the Central European region for the global SB11 conference, which will be held in London, UK in 2011.



## Czech Sustainable Building Society – iisBE Czech

Official representative of International Initiative for Sustainable Built Environment (iisBE) in the Czech Republic. CSBS is a non-profit organization founded with the aim of promoting the ideas mentioned above in the specific national conditions. It supports the development and introduction of a building complex assessment system, manages educational activities and information dissemination related to sustainable built development.

## Conference topics

### Advanced building design

Integrated design, challenging strategies, case studies, urban context, best practices

### Energy efficiency

Solar energy and sustainable building, low energy, passive and zero energy buildings

### Material efficiency

Durability, reliability, high performance materials, renewable, recycled and alternative materials

### Quality of internal and external environment

Performance quality of buildings, indoor climate, simulation and optimization of internal and external building environment

### Assessment methods

Sustainable building assessment methodologies and tools, LCA, building quality optimization tools, certification

### Economy

Low-cost buildings, LCC, added value, economical benefits of sustainable buildings

### Policy and legislation

Legislative support, standardization, public activities, active approach of governments and local authorities

### Education and information

Education at secondary schools and universities, lifetime education, information dissemination



### Scientific committee

Petr HÁJEK (CZ), Chairman	Aleksander PANEK (PL)
Jan TYWONIAK (CZ), Vice-chairman	Dušan PETRÁŠ (SK)
Zdeněk BITTNER (CZ)	Anton PUŠKÁR (SK)
Rut BÍZKOVÁ (CZ, Ministry of the Environment of the Czech Republic)	Georg W.REINBERG (A)
Luis BRAGANÇA (P)	Ronald ROVERS (NL)
Steve BURROUGHS (AUS)	Michael SCHMIDT (D)
Peter GRAHAM (F, UNEP)	Jiří ŠEJNOHA (CZ)
Milan HOLICKÝ (CZ, CIB)	Tomáš ŠENBERGER (CZ)
Pekka HUOVILLA (FIN)	Jiri SKOPEK (CA)
Robert P. CHARETTE (CA)	Petr ŠTEPÁNEK (CZ)
Nils LARSSON (F, iSBE)	Joel Ann TODD (USA)
Thomas LÜTZKENDORF (D)	Martin TREBERSPURG (A)
Manuel MACIAS (S)	Holger WALBAUM (CH)
Andrea MORO (I, iSBE)	Zdeněk ZAVREL (CZ)

### Call for papers

The Conference Scientific Committee invites all contributions in accordance with the CESB10 Prague topics. Papers should be innovative, challenging, and not published yet. They should reflect current knowledge and experience in all aspects of sustainable building. Future trends description, advanced case studies and complex sustainable building projects are particularly welcome.

### Abstracts submission

Abstracts of 150–250 words in English filled into the template accessible at [www.cesb.cz/abstracts](http://www.cesb.cz/abstracts) should be sent via e-mail at [papers@cesb.cz](mailto:papers@cesb.cz) by 15th October 2009. Information on the acceptance of abstracts and on the preparation of final papers will be given by 15th December 2009. All papers accepted by the Scientific Committee and presented at the Conference either orally or by poster will be published on the conference CD-ROM and in the Conference Proceedings. Selected papers can be used for further publication by mutual agreement with the author.

### Official language

The official language of the Conference will be English. All speeches and posters will be in English only. In addition, simultaneous Czech translation will be arranged for the main sessions.

### Important dates

15th October 2009	Submission of abstracts
15th December 2009	Acceptance notification
15th March 2010	Submission of final papers
15th February 2010	Early registration
15th May 2010	Regular registration
after 15th May 2010	Late registration

### Conference venue

Faculty of Civil Engineering, Czech Technical University in Prague, Thákurova 7, Praha 6

### Satellite events

In the framework of satellite events there will be shown an exhibition Sustainable Building in the Czech Republic and presentation of the Ministry of the Environment of the Czech Republic. The organizers offer rooms and technical equipment for any meetings, workshops or other events related to the sustainable building. Conference secretariat provides detail information.

### Technical excursions

Inspiring sustainable buildings built or under construction in Prague and its vicinity will be offered for Conference Technical Excursion.

### Exhibition

A technical exhibition will be organized along with the Conference to demonstrate new technologies, materials, products and services of organizations which are active in sustainable building. The exhibition will be located in the main atrium of the Faculty of Civil Engineering close to the conference halls. The exhibition will include displays of SB Challenge projects.

All the organizations, individuals and whoever else interested in the exhibition and in introducing themselves to the Central European specialists and business partners are warmly invited. The exhibition information and Exhibition Booth Application Form will be available at [www.cesb.cz/exhibition](http://www.cesb.cz/exhibition).



### Sponsorship opportunities

Exciting opportunities are available for organizations to become involved as sponsors of the CESB10 Prague conference or important part thereof, i.e. Social Evening or Technical Excursion. A broad range of packages is available to encourage both small and large companies to be represented at this important event. For further information regarding the exhibition and sponsorship please indicate your interest using e-mail [sponsors@cesb.cz](mailto:sponsors@cesb.cz) or visit the webpage [www.cesb.cz/sponsorship](http://www.cesb.cz/sponsorship).

### Organizing committee

Antonín Lupišek, Jan Růžička, Petr Hájek, Julie Hodková, Terézia Němcová, Jan Tywoniak, Vladimír Zďára, Radek Zigler

### Contact

#### CESB10 Prague secretariat

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Conference webpage: [www.cesb.cz](http://www.cesb.cz)

### Preliminary registration

For preliminary registration please follow the link [www.cesb.cz/registration](http://www.cesb.cz/registration). Conference secretariat is ready to arrange the accommodation upon your request.

