



FACULTY  
OF CIVIL  
ENGINEERING

Indoor quality of buildings has a direct impact onto inhabitants and users, and thus it affects their abilities. The complexity of a building design needs to create a healthy environment and if possible with the application of building materials which are free of harmful substances and allow low energy design.

The building industry nowadays should concentrate on low energy buildings and put emphasis onto natural materials and renewable resources, so today's aim is to decrease the energy requirements and contribute to a healthier indoor environment in buildings and sustainable development. The current trend however is the opposite to this, glazed facades of buildings lead to many problems, especially in summer time which are to be solved by different methods, like the usage of shielding systems or with the application of artificial ventilation and of double facades.

INTERNATIONAL CONFERENCE  
**enviBUILD**  
BUILDINGS AND ENVIRONMENT 2012

# Invitation

to the 7<sup>th</sup> International  
Scientific Conference

25<sup>th</sup> – 26<sup>th</sup> October 2012  
Brno, Czech Republic

[www.enviBUILD.eu](http://www.enviBUILD.eu)



Another focus of the conference is based on the application of new materials and technologies in modernizations and refurbishments of existing buildings while improving their technical parameters like thermal, acoustic etc., with the means to achieve higher quality of the indoor environment. The aim of this 7<sup>th</sup> international conference is to inform the general public with the results coming from research and practice related to sustainable design using alternative and renewable building materials.

The conference is intended for designers, building managers, investors, academic experts, researchers and also to those from the ranks of professional communities. The dean of the FCE of VUT Prof. Ing. Rostislav Drochytka, CSc. avouches for the given International Conference Buildings and Environment 2012.

The conference is also included within the programs Lifelong Learning Academy of ČKAIT.

*Topics:*

- *Internal environment of buildings*
- *Zero energy buildings*
- *Accumulation and saving energy*
- *Effective ventilations*
- *Renewable materials and sources of energy*
- *Daylight and sunlight illumination*
- *Building acoustics*

The accepted papers will be published according to the received abstracts in the conference proceedings (max. 4 pages) and on CD-ROM (max. 10 pages). The case of interest the reviewed contributions in English will be published in the conference proceedings **EnviBUILD2012** like special Issue of journal Advanced Materials Research (**Scopus, WoS**). The content of the publications is directly under the supervision of the authors, therefore no linguistic corrections will be made by us. Official languages of the conference: Czech, Slovak and English.



**Scientific committee:**

doc. Ing. Miloš Kalousek, Ph.D. (CZ)  
prof. Ing. Jozef Hraška, Ph.D. (SK)  
prof. Ing. Dušan Katúnsky, Ph.D. (SK)  
prof. Ing. Ivan Chmúrny, Ph.D. (SK)  
prof. Dr.-techn. Ardeshir Mahdavi (A)  
prof. Dr.-techn. Erich Panzhauser (A)  
prof. Dipl. Ing. Dr. Thomas Bednar (A)  
prof. Dr. Kalmar Ferenc (HU)  
doc. Ing. Josef Chybík, CSc. (CZ)  
doc. Ing. Miloslav Novotný, CSc. (CZ)  
doc. Ing. Roman Vávra, Ph.D. (CZ)  
doc. Ing. Jiří Sedlák, CSc. (CZ)  
doc. Ing. Jitka Mohelníková, Ph.D. (CZ)  
Ing. arch. Dr.-techn. Roman Rabenseifer (SK)  
Dipl. Ing. Dr. Ing. Azra Korjenic (A)  
Ing. Milan Ostrý, Ph.D. (CZ)  
Ing. Ondřej Šikula, Ph.D. (CZ)

**Organizing committee:**

doc. Ing. Miloš Kalousek, Ph.D.  
Ing. Ondřej Fuciman, Ph.D.  
Ing. Lukáš Chuchma  
Ing. Martin Nemeček  
Ing. Radek Partika  
Ing. arch. Anna Rybaková  
Ing. Richard Slávik  
Ing. Zuzana Stránská

**Address for registration of participants:**

<http://www.enviBUILD.eu>

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web of conference: <http://www.enviBUILD.eu>  
web of faculty: <http://www.fce.vutbr.cz>

**Important dates and deadlines:**

**29<sup>th</sup> of June 2012 - Deadline for abstracts**

**20<sup>th</sup> of June 2012 - Notification of acceptance**

**30<sup>th</sup> of July 2012 - Submission of full papers and deadline for registration**

**25<sup>th</sup> of October 2012 - Conference**

## Venue

Faculty of Civil Engineering  
Brno University of Technology  
Street Veveří 95  
602 00 Brno

GPS: 49°12'22.404"N  
16°35'29.211"E



## Accommodations:

### Hotel Continental



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### Hotel Družba



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