

PREFACE

Integrated building design tries to find new ways for an optimization of energy consumption and mitigation of environmental impacts of buildings with respect to quality of indoor environment. One of many factors contributing to this issue is application of new advanced materials and technologies.

The 9th International enviBUILD 2014 Conference held in Brno focused on specific issues related to buildings and environment especially in Central European Region. It provided an opportunity for discussion and publishing of most recent findings from scientific and academic community – current issues, technical aspects, recent progresses and future directions in the field of building physics, sustainability and healthy built environment.

This International Conference was organized by the Faculty of Civil Engineering of the Brno University of Technology in Brno, Czech Republic. The conference was held under the auspices of Prof. Ing. Rostislav Drochytka, CSc, MBA, dean of the Faculty of Civil Engineering of Brno University of Technology.

Following pages will show you selected peer reviewed papers corresponding with conference topics:

- Building Materials and Components
- Energy Performance of Buildings
- Retrofitting and Revitalization of Buildings
- Sustainable Building and Environmental Assessments
- Hygrothermal Performance of Buildings
- Indoor Climate, Thermal Comfort and Ventilation
- Daylighting and Insolation
- Acoustics and Noise Protection

Before you start browsing the content of this proceeding, let us express many thanks to everyone who spent their time and contributed to the organization of the conference – members of the Scientific and Organizing Committees, authors, reviewers and editors. We highly appreciate the time and efforts you devoted to the creation of this Proceeding and value your assistance during all periods of the enviBUILD 2014 Conference.

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