

Preface

Building industry always ranks to the dominant and leading sector which reflects actual level of society development. For each period of human building activity is typical, besides the architectural design, application of currently accessible materials and technology. Application of advanced building materials is the actual trend in building industry. The new technologies allow realization of number of great structures which became an expression of culture of modern society. Gradual requirements of architects and designers are challenging for further development and research in the field of materials engineering.

The attention is nowadays paid to environmental aspects too, besides the above mentioned high-quality materials research. Administrations of number of countries put emphasis on the efficient utilization of raw materials and intensify legislative pressure to reduce negative environmental impacts. Energy consumption and CO₂ emissions are taken into the consideration in case of building materials.

It is my pleasure to introduce works of participants of the 7th International Conference on Building Materials which is the meeting of leading experts of material research and development. In compliance with current trends and requirements are the studied topics predominantly focused on the environmental friendly materials and composites for special severe applications. Cement based materials are the dominant originators of negative environmental impact that is why alternative binding systems and cement supplementary materials are accented. International focus is done by participation of researchers of five countries over the world.

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Pavel Reiterman

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