

# Preface

The 7<sup>th</sup> conference Nano & Macro Mechanics was held in Prague, in September 22, 2016. The conference was organized by Department of Mechanics, Faculty of Civil Engineering, Czech Technical University in Prague, Czech Republic.

The main objective of the conference is to bring together researchers and engineers devoting their work to computing and experimental mechanics in different areas of engineering applications on a common platform.

The conference objectives were the following:

- Testing of building materials at the nano and macro level.
- Destructive and non-destructive methods for determining the mechanical properties of buildings materials.
- Relationships between material parameters at nano and macro level.
- Numerical simulations of behavior of structures and materials.
- Computational and experimental dynamics and mechanics.
- Material research for steel, buildings materials, glass, woods, textiles and composites.
- Analyses of constructions.
- Computational methods for analyses of the constructions.

We strongly believe that NMM 2016 has a significant impact on the development of contemporary analytical, numerical and experimental methods in mechanics and will also create an opportunity for opening a forum for discussion and collaboration among the participants.

This special Issue of the Applied Material Research Journal contains the papers presented in the topic of the conference on Nano & Macro Mechanics 2016. All papers were reviewed by two members of the conference scientific board.

We would like to express our special thanks to all members of scientific and organizing committee, session chairperson, reviewers of papers and conference participants for making this conference successful.

Editor  
Pavel Padevřt  
(Czech Technical University in Prague)

## **Scientific Committee**

- Pavel Padevět
- Tomáš Plachý
- Pavel Tesárek
- Per Bittnar
- Tereza Otcovská
- Jaroslav Topič