

PREFACE

The 4th International Scientific Conference Structural and Physical Aspects of Construction Engineering (SPACE 2019) has been successfully held in Štrbské Pleso, The High Tatras, Slovakia during November 13-15, 2019. The conference was organised by Department of Structural Mechanics, Institute of Structural Engineering, Civil Engineering Faculty, Technical University of Košice, in cooperation with Slovak Society of Mechanics, Slovak Academy of Science, Bratislava, Slovakia.

The main objective of the conference is to bring together researchers and engineers devoting their work to structural and physical problems of engineering applications on a common platform.

The topic of the conference:

- Static and Dynamic Analysis of Structures
- Seismic and Stability Problems of Structures
- Experimental Analysis and Diagnostics of Structures
- Resistance, Durability and Reliability of Structures
- Composite Materials and Structures
- Failure, Creation and Growth of Cracks, Damages and Reconstructions of Structures
- Structural, Shape and Material Optimization of Structures
- Analysis of Interaction Problems, Simulations and Mathematical Applications
- Fluid Mechanics and Thermomechanics
- Transportation Structures and Environmental Engineering

The conference is dedicated to experts, scholars, engineers, etc. from different colleges and universities, research institutes, enterprises and institutions from home and abroad, with an academic platform for providing of academic research findings, exploration of the cutting edge engineering issues and discussion on the current opportunities and challenges, in a concerted effort to promote international cooperation and communication and the industrialization of scientific research results.

We would like to acknowledge the contributors and participants for their contribution and especially we would like to thank reviewers for peer review of the papers to the success of SPACE 2019.

We sincerely hope that SPACE 2019 conference will have a significant impact on the development of contemporary analytical, numerical and experimental methods in structural and physical problems, and it will also create an opportunity for opening a forum for excellent discussions and collaboration amongst the participants that will put forward new ideas and promote collaborating researches.

Issue editors
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