

# PREFACE

Ladies and Gentleman, dear Readers,

the publication summarizes conference papers from the 6<sup>th</sup> international scientific conference on Dynamic of Civil Engineering and Transport Structures and Wind Engineering (DYN-WIND 2014). The conference was held from the 25<sup>th</sup> to 29<sup>th</sup> of May 2014 at Donovaly in Slovak Republic. The conference was organized by University of Žilina, Faculty of Civil Engineering, Department of Structural Mechanics, Slovak Scientific - Technical Transport Society in Zvolen, Doprastav, a.s. Bratislava.

In the submitted publication, which is divided into two chapters, are summarized selected conference papers from researchers of eminent slovak-czech-polish-russian-ukrainian and other educational universities, research institutes and industrial practice.

The publication includes following issues

- Effects of transport means on structures and environment
- Quasi-static and dynamic problems of roads, pavements and railroad tracks, bridges, incline and ground solids stability, buildings and other civil engineering and transport structures
- Problems of fatigue, life-time and reliability of structural materials and constructions
- Numerical and experimental methods and computer simulations
- Mathematical applications
- Earthquake engineering
- Transport noise and environment
- Wind characteristics
- Wind loads on building and structures and their aero-elastic response
- Experimental methods, wind tunnels, field and full-scale measurements
- Industrial and architectonical aerodynamics, cross wind on transport means and other problems
- Computational methods in wind engineering
- Risk and social impact

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*issue editors*

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