

PREFACE

Ladies and Gentleman, dear Readers,

the publication summarizes conference papers from the 6th international scientific conference on Dynamic of Civil Engineering and Transport Structures and Wind Engineering (DYN-WIND 2014). The conference was held from the 25th to 29th 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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