

Preface

The 7th International Symposium on Environmental Vibration and Transportation Geodynamics (ISEV2016) held in Hangzhou, China, from October 28 to October 30, 2016, is organized by the Zhejiang University under the auspices of ISSMGE-TC202 Transportation Geotechnics technical committee and its corresponding partner of the Chinese Society of Civil Engineering.

The ISEV conference series was initiated by Prof. H. Takemiya of Okayama University, Japan, and Prof. Yunmin Chen of Zhejiang University, China, and held in Zhejiang University, Hangzhou, China, in 2003, for the first time. The subsequent five symposia were successfully convened in Okayama University, Japan (2005), National Taiwan University, Taipei (2007), Beijing Jiaotong University, China (2009), Southwest Jiaotong University, China (2011), and Tongji University, China (2013), respectively. Following the previous ones, the topics of the conference cover, but not limited to, environmental vibrations induced by industrial, civilian, and transportation activities, and dynamics problems and related settlement deformation and performance degradation issues of transportation infrastructures (roads, rails, airports, subways, and other ground transportation infrastructures). It serves as a unique platform for academic exploration, experience exchange, and thought inspiration amongst the researchers and practitioners engaged in research, management, design, and construction of large-scale civil and transportation infrastructures.

Totally, more than 90 papers have been received by the conference organizer. After technical review, more than 70 papers have been accepted to be presented at the conference and also included in the conference proceedings co-published by Springer and the Zhejiang University Press. These papers have covered a wide range of issues concerning on environmental vibration and transportation geodynamics. Showcasing diversity and quality, these papers report the state of the art and point to future directions of research and development in this exciting area. We are also honored to have distinguished speakers to deliver keynote and invited speeches at the conference.

The success of the Symposium is due to the dedication and support of many individuals and organizations. On behalf of the Organizing Committee, I would like

to thank all authors for careful preparation of their papers, and all speakers for sharing their work, experience, and insight at the conference. All full papers submitted were reviewed by the members of the Scientific Committee and the Organizing Committee. We are grateful to all of them for their important contributions to the Symposium.

Hangzhou, China
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Prof. Xuecheng Bian
Chairman of the Organizing Committee of ISEV2016



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