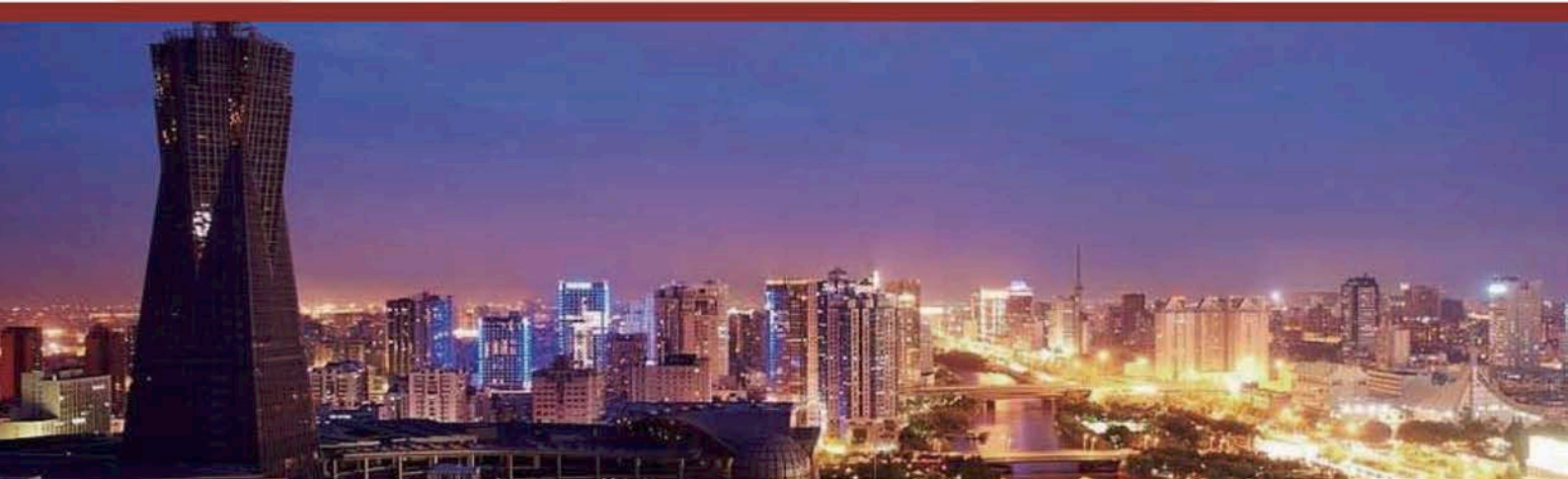


# The 7<sup>th</sup> International Symposium on Environmental Vibration and Transportation Geodynamics

under the auspice of ISSMGE TC202 Transportation Geotechnics



**October 28–30, 2016**  
**Zhejiang University, Hangzhou, China**

***Deadline for paper submission has been extended to August 15, 2016***

**Paper submission is welcome!**  
**Conference website: <http://www.isev2016.org>**

## **Contacts:**

Prof. Xiaowei Ye, Zhejiang University, China  
Anzhong Building of Civil Engineering, B713  
Zijingang Campus, Zhejiang University  
Hangzhou 310058, China  
Tel: +86-571-88208478(O) Email: [cexwye@zju.edu.cn](mailto:cexwye@zju.edu.cn)

Prof. Xuecheng Bian, Zhejiang University, China  
Anzhong Building of Civil Engineering, B406  
Zijingang Campus, Zhejiang University  
Hangzhou 310058, China  
Tel: +86-571-88208773(O) Email: [bianxc@zju.edu.cn](mailto:bianxc@zju.edu.cn)



## **Invitation from the Chair of the Conference Organizing Committee**

The 7th International Symposium on Environmental Vibration and Transportation Geodynamics (formerly named as the International Symposium on Environmental Vibration) will be held from October 28–30, 2016 in Zhejiang University, Hangzhou, China.

In 2003, the first symposium 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. 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. With the increasing impact over the academia and industry community, the symposia have attracted great attentions from the government managers, scientific researchers, and engineering professionals.

To effectively reflect the scientific and technological frontiers of transportation infrastructure dynamics, this symposium will be renamed as International Symposium on Environmental Vibration and Transportation Geodynamics, under the auspice of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) TC202 Transportation Geotechnics Committee. The scope of the 7th International Symposium on Environmental Vibration and Transportation Geodynamics will be extended to cover environmental vibration induced by industrial, civilian and transportation activities, and dynamics problems and related sustainability issue of transportation infrastructures. It will serve as a significant platform for academic exploration, experience exchange, and thought inspiration amongst the practitioners engaged in management, design and construction of large-scale civil and transportation infrastructure.

All the papers accepted for the conference will be included in a proceeding published by Springer and will be included in EI index. Authors of some selected excellent papers will be invited to submit the extended version of their conference papers to publish in two International Journals published by Elsevier and Taylor & Francis.

We look forward to meeting with you in Hangzhou on October 2016.

**Prof. Yunmin Chen**  
Chair of the Conference Scientific Committee

**Prof. Xuecheng Bian**  
Chair of the Conference Organizing Committee



## Scientific committee

### Honorary chairman:

Prof. Emeritus Hirokazu Takemiya Okayama University, Japan  
 Prof. Yeongbin Yang National Taiwan University, Taipei  
 Prof. Wanming Zhai Southwest Jiaotong University, China  
 Prof. Guotang Zhao China Railway, China

### Chairman:

Prof. Yunmin Chen, Zhejiang University, China

### Member:

Lutz Auersch	Federal Institute for Materials Research and Testing, Germany
Dimitri E. Beskos	University of Patras, Greece
Ant 6nio Gomes Correia	University of Minho, Portugal
Jinchun Chai	Saga University, Japan
Renpeng Chen	Hunan University, China
Yujun Cui	Ecole des Ponts ParisTech, France
Yuanqiang Cai	Zhejiang University, China
Geert Degrande	University of Leuven, Belgium
Guangyun Gao	Tongji University, China
Liang Gao	Beijing Jiaotong University
Hai Huang	Pennsylvania State University, USA
Hong Hao	Curtin University, Australia
Hugh Hunt	University of Cambridge, UK
Jie Han	University of Kansas, USA
Maosong Huang	Tongji University, China
Toshiki Hamamoto	University of Toyama, Japan
Buddhima Indraratna	University of Wollongong, Australia
Tatsuya Ishikawa	Hokkaido University, Japan
Jianqun Jiang	Zhejiang University, China
Shenghao Ju	National Cheng-Kung University, Tainan
Songyu Liu	Southeast University, China
Xiaoyan Lei	East China Jiaotong University, China
Xianzhang Ling	Harbin Institute of Technology, China
Andrei V. Metrikine	Delft University of Technology, Netherlands
Yiqing Ni	The Hong Kong Polytechnic University, HK
Jin Y Ooi	The University of Edinburgh, UK
Taesoon Park	Seoul National University of Science and Technology, South Korea
William Powrie	University of Southampton, UK
Yonglin Pi	The University of New South Wales, Australia
Jiping Ru	Natural Science Foundation of China, China

Ted Sussmann

Erol Tutumluer

Fumio Tatsuoka

Fuming Wang

Linbing Wang

Ping Wang

He Xia

Weiping Xie

Yangping Yao

Bin Xu

Youlin Xu

Haisui Yu

Jongdar Yau

Jun Yang

Feng Zhang

Franz Ziegler

United States Department of Transportation, USA

University of Illinois at Urbana-Champaign, USA

Tokyo University of Science, Japan

Zhengzhou University, China

Virginia Polytechnic Institute and State University, USA

Southwest Jiaotong University, China

Beijing Jiaotong University, China

Wuhan University of Technology, China

Beihang University, China

Nanchang Institute of Technology, China

The Hong Kong Polytechnic University, HK

The University of Nottingham, UK

Tamkang University, Taipei

The University of Hong Kong, HK

Nagoya Institute of Technology, Japan

Vienna University of Technology, Austria

## Organizing committee

### Chairman:

Prof. Xuecheng Bian, Zhejiang University, China

### Secretary in general:

Prof. Xiaowei Ye, Zhejiang University, China

### Member:

Xiaobin Chen	Central South University
Xuanming Ding	Chongqing University
Qingsong Feng	East China Jiaotong University
Bo Huang	Zhejiang University
Hongguang Jiang	Shandong University
Linggang Kong	Zhejiang University
Jiangu Qian	Tongji University
Liang Tang	Harbin Institute of Technology
Hong Xiao	Beijing Jiaotong University
Junhua Xiao	Tongji University
Bin Zhu	Zhejiang University
Changbin Yan	Zhengzhou University
Chunfa Zhao	Southwest Jiaotong University
Wanhuan Zhou	University of Macau
Yanguo Zhou	Zhejiang University



## Conference themes

1. Dynamic interaction of vehicle and transportation infrastructure (pavement, railway and airfield)
2. Wave propagation and traffic induced structure and ground vibrations
3. Soil-structure dynamic interaction problem in transportation
4. Analysis and testing on environmental vibration
5. Vehicle, machine and human induced vibrations
6. Monitoring, evaluation and control of traffic induced vibrations
7. Cyclic deformation of soils and transportation foundation settlement
8. Structural safety and serviceability of railway, metro, roadway and bridges
9. Application of geosynthetics in transportation infrastructure

## Conference date

October 28(Friday)-30(Sunday), 2016

## Conference venue

Qizhen Hotel (inside Zijingang Campus of Zhejiang University), Hangzhou, China

## Registration fees

Full participation category	Standard	Student
Early registration	600USD	250USD
On-site registration	700USD	350USD

## Language

The official conference language is English.

## Important dates

August 15, 2016: Deadline for paper submission

August 30, 2016: Notify authors of accepted papers

September, 15, 2016: Submission of final camera-ready papers

Paper submission to website: <http://www.isev2016.org>

## Contacts:

Prof. Xiaowei Ye, Zhejiang University, China

Anzhong Building of Civil Engineering, B713

Zijingang Campus, Zhejiang University

Hangzhou 310058, China

Tel: +86-571-88208478(O) Email: [cexwye@zju.edu.cn](mailto:cexwye@zju.edu.cn)

Prof. Xuecheng Bian, Zhejiang University, China

Anzhong Building of Civil Engineering, B406

Zijingang Campus, Zhejiang University

Hangzhou 310058, China

Tel: +86-571-88208773(O) Email: [bianxc@zju.edu.cn](mailto:bianxc@zju.edu.cn)

## Keynote speakers

(More are to be added and confirmed)



**Professor Yeong-Bin Yang**

Professor Yeong-Bin Yang is Honorary Dean of Civil Engineering, Chongqing University and Professor Emeritus, National Taiwan University. Also, he is members of Chinese Academy of Engineering and Austrian Academy of Sciences, fellows of American Society of Civil Engineers and International Association of Computational Mechanics, and Chief Editor of International Journal of Structural Stability and Dynamics.



**Professor António Gomes Correia**

Professor António Gomes Correia is the past president of TC202 (Transportation Geotechnics) of ISSMGE, and also the ex-director of the Research Centre of Territory, Environment and Construction, University of Minho, Portugal. He is also the Member of the Institute for Sustainability and Innovation in Structural Engineering (ISISE-UM), the chair of the Doctoral program in Civil Engineering (UM), the Vice-Dean of School of Engineering of University of Minho, and the Editor-in-Chief of the International Journal on Transportation Geotechnics.



**Professor Wanming Zhai**

Professor Wanming Zhai is the deputy director of the State Key Laboratory of Traction Power, Southwest Jiaotong University, China, and also the director of the MOE Key Laboratory of High-Speed Railway Engineering. Professor Zhai is also the Academician of Chinese Academy of Sciences, the Chang Jiang Scholar Professor, and the leading scientist of the National Basic Research Program of China ("973" Project).



**Professor Erol Tutumluer**

Professor Erol Tutumluer is the president of TC202 of ISSMGE (Transportation Geotechnics) and the director of International Programs, University of Illinois at Urbana-Champaign, US. He serves as the co-Editor-in-Chief of Transportation Geotechnics Journal, editor for the American Society of Civil Engineering (ASCE) Journal of Computing in Civil Engineering, the Editorial Board member for the ASCE International Journal of Geomechanics.



**Professor William Powrie**

Professor William Powrie is the Dean of the Faculty of Engineering and the Environment at the University of Southampton, UK. Professor Powrie is the Fellow of the Royal Academy of Engineering of UK. He is also the Associate Editor of the Canadian Geotechnical Journal, the former Honorary Editor of the Institution of Civil Engineers Proceedings journal Geotechnical Engineering.