



# 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**

**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         | Catholic University of Louvain, 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   | United States Department of Transportation, USA          |
| Erol Tutumluer | University of Illinois at Urbana-Champaign, USA          |
| Fumio Tatsuoka | Tokyo University of Science, Japan                       |
| Fuming Wang    | Zhengzhou University, China                              |
| Linbing Wang   | Virginia Polytechnic Institute and State University, USA |
| Ping Wang      | Southwest Jiaotong University, China                     |
| He Xia         | Beijing Jiaotong University, China                       |
| Weiping Xie    | Wuhan University of Technology, China                    |
| Yangping Yao   | Beihang University, China                                |
| Youlin Xu      | The Hong Kong Polytechnic University, HK                 |
| Haisui Yu      | The University of Nottingham, UK                         |
| Jongdar Yau    | Tamkang University, Taipei                               |
| Jun Yang       | The University of Hong Kong, HK                          |
| Feng Zhang     | Nagoya Institute of Technology, Japan                    |
| Franz Ziegler  | 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            |
| Gujian 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

June 30, 2016: Deadline for paper submission

July 15, 2016: Notify authors of accepted papers

August 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 Michael C. Forde



Professor Michael C. Forde is the director of Institute for Research in Engineering, University of Edinburgh, UK, and also the Editor-in-Chief of Journal: "Construction & Building Materials" published by Elsevier. He is the Fellow of the Royal Academy of Engineering and Fellow of the Institution of Civil Engineers.

### 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.