

International Symposium on Geotechnical Engineering for High-speed Transportation Infrastructure (IS-GeoTrans 2012)

First Announcement and Call for Papers
(October 26 to 28 2012, Zhejiang University,
Hangzhou, China)



Under the auspices of

Chinese Institution of Soil Mechanics and Geotechnical Engineering

Organized by

Ministry of Education (MOE) Key Laboratory of Soft Soils and Geoenvironmental Engineering, Zhejiang University

Co-Sponsors

The Geo-Institute of ASCE
Transportation Research Board (TRB)
Chinese Chapter of International Geosynthetics Society
International Association of Chinese Infrastructure

Professionals (IACIP)

Introduction

The past decades see rapid development of high-speed transportation infrastructure, such as high-speed railways, urban subways, expressways, and airfields worldwide. As a major effort in transportation infrastructure development, China plans to build 20,000 kilometers of high-speed rail network by the year of 2020 with design speed up to 500km/h. With such a fast pace in the development of high speed transportation, ensuring they are safe and comfortable presents major technical challenges on the design, construction and maintenance of high performance infrastructure.

To achieve safe and comfort high-speed transportation systems, innovations are necessary to further advance geotechnical engineering theory and technology. The uniqueness of high speed transportation requires further advancement in vehicle-infrastructure-ground interaction theory, infrastructure settlement and control standard, ground improvement technologies, infrastructure health monitoring technologies, aseismic performance of infrastructure, and etc.

This International Symposium, which will be hosted at Zhejiang University, focuses on the theme of **“Safe and comfortable high-speed transportation infrastructure”**. It intends to provide a venture to discuss the challenges and critical issues in the development and maintenance

of high speed transportation infrastructure. The goal is to catalyze the advancement in geotechnology and to prompt scholarly exchange. We cordially invite geotechnical engineering experts and graduate students over the world to participate in this symposium and present your work. We look forward to meeting you in Hangzhou, China on October 26 to 28, 2012.

Key Topics

- ✓ Theory of vehicle-subgrade/bridge-ground interaction
- ✓ Theory of shield-ground interaction
- ✓ Settlement of high-speed transportation infrastructure and settlement control standard
- ✓ Environmental vibration induced by high-speed transportation
- ✓ Ground improvement technologies for settlement control
- ✓ Monitoring, evaluation and maintenance of infrastructure serviceability
- ✓ Aseismic performance of infrastructure

Important Date

Abstracts due: Oct 31, 2011
Final papers due: January 31, 2012
Conference date: October 26-28, 2012

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Conference Language

English

Paper Publication Plan

Papers submitted to the symposium should be original unpublished works. The Symposium Proceedings will be published by Zhejiang University Press. Selected high quality papers will be recommended to publish in international journal (SCI-indexed). Instructions for paper format and page charges will be notified on the official website of MOE Key Laboratory of Soft Soils and Geoenvironmental Engineering.

<http://www.ssgeo.zju.edu.cn>

Schedule

Date		Agenda
October 26		Registration
October 27	A.M.	Opening Ceremony Plenary Lecture
	P.M.	Special Report
October 28	A.M.	Special Report
	P.M.	Free Report

Contact

Xuecheng Bian Xiaoli Wan
Anzhong Building B-428, Yuhang Road 388,

Zhejiang University, Hangzhou, 310058, P.R. China

Tel: +86-571-88208773

Fax: +86-571-88208793

E-mail: ISGT2012@zju.edu.cn

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Name : _____

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Potential Authors: please complete the Author Confirmation Form and email to ISGT2012@zju.edu.cn by **October 30, 2011**.

Please address questions and comments to ISGT2012@zju.edu.cn

