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## Important Dates

**Abstract submission window:** 1<sup>st</sup> August – 1<sup>st</sup> October 2017

**Notification of acceptance:** 30<sup>th</sup> November 2017

**Full manuscript submission:** 31<sup>st</sup> March 2018

**Final paper submission:** 15<sup>th</sup> July 2018

**Congress dates:** 28<sup>th</sup> October – 1<sup>st</sup> November 2018

### Tentative Venue:

Sheraton Grand Hangzhou Wetland Park Resort, Hangzhou, China

### Website:

<http://www.ICEG2018.org>

### Contact Details:

Organizing Committee of 8th International Congress on Environmental Geotechnics

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## About Hangzhou

Hangzhou is the capital of Zhejiang Province in the southeast of China. It is located close to Shanghai and is at the southern end of the Beijing-Hangzhou Grand Canal (World Heritage). Hangzhou was the birthplace of the Liangzhu Culture dated to about 4,000 to 5,000 years ago, and was one of the seven ancient capitals of China. Hangzhou has also been known as the “land of silk and tea,” with theme museums like China Silk Museum, China Tea Museum and Museum of Liangzhu Culture Ruins. Described as “the finest and most splendid city in the world” by the famous Italian traveller Marco Polo, Hangzhou is renowned for the natural beauty and charm of the West Lake (World Heritage) and the picturesque landscapes of Thousand-Islet Lake. Hosting the headquarters of many hi-tech companies including Alibaba, the world’s leading e-commerce group, Hangzhou has grown into a hi-tech metropolis, better known as China’s “Silicon Valley.” As a modern city, Hangzhou also has many delightful shopping centers and leisure facilities.

Travel to Hangzhou is convenient. Hangzhou International Airport (HGH) connects directly with 15 oversea cities, such as Hong Kong, Tokyo, Singapore, Doha, Amsterdam, Moscow and Los Angeles. Alternatively, guests can first fly to Shanghai International Airports (SHA, PVG) that connect with most major cities in the world, and then take China High-Speed Rail to arrive at Hangzhou (about 1-3 hours’ ride).



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Announcement & Call for Papers



## The 8<sup>th</sup> International Congress on Environmental Geotechnics

*“Towards a Sustainable Geoenvironment”*

28<sup>th</sup> October – 1<sup>st</sup> November 2018

Hangzhou, China

### Organized by:

- Ministry of Education Key Laboratory of Soft Soils and Geoenvironmental Engineering, Zhejiang University
- The Chinese Institution of Soil Mechanics and Geotechnical Engineering (CISMGE)
- The Hong Kong Geotechnical Society (HKGES)

### Under the auspices of:

- TC215 Environmental Geotechnics, ISSMGE

### Supported by:

- International Geosynthetics Society (IGS)
- International Waste Working Group (IWWG)
- Commission on Radioactive Waste Disposal of International Society for Rock Mechanics (ISRM)
- Commission on Waste Disposal of the International Association of Engineering Geology and the Environment (IAEG)



## Introduction

Issues associated with Environmental Geotechnics continue to be a major preoccupation for governments, public and private organizations and the general community around the world. With the support from the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) and the Technical Committee of Environmental Geotechnics (TC215), the Environmental Geotechnics Congress Series has been held regularly since 1994 (Canada 1994; Japan 1996; Portugal, 1998; Brazil 2002; UK 2006; India 2010; Australia 2014), and has established itself as a highly influential forum for exchange and discussion on the subject.

The Ministry of Education Key Laboratory of Soft Soils and Geoenvironmental Engineering, Zhejiang University, CISMGE and HKGES cordially invite you to attend the 8<sup>th</sup> International Congress on Environmental Geotechnics in the week of October 28<sup>th</sup>, 2018 in Hangzhou, China.

## Congress Theme

The congress theme is “Towards a Sustainable Geoenvironment.” “Sustainable Development is to meet the needs of the present without compromising the ability of future generations to meet their own needs.” Geoenvironment is a specific compartment of the environment and comprises portions of geosphere, hydrosphere and biosphere. Under this theme the congress will cover a broad range of topics and will provide an excellent opportunity for academics, engineers, scientists, government officials, regulators and planners to present, discuss and exchange the latest advancements and developments in the research and application of environmental geotechnics.

## Paper Submission and Special Issues

Several internationally renowned journals have agreed to publish a special issue for ICEG2018, with tentative subject matters on geoenvironmental engineering (*Environmental Geotechnics; Journal of Zhejiang University-Science A (Applied Physics & Engineering)*), geosynthetics (*Geotextiles and Geomembranes*) and energy geotechnics (*Geomechanics for Energy and the Environment*). The format, procedures and timeline of submitting a regular conference paper to ICEG2018, as stated in the conference website, will be followed, and the full paper will be published in the proceedings of ICEG2018 first. Conference papers of publication potential in a special issue of a journal will be identified by the guest editors, considering but not solely based on the recommendations from the conference paper reviewers. The corresponding author of an identified paper will be contacted to submit a journal manuscript, which will then undergo the rigorous peer review process as a regular journal paper does.

## Congress Topics

- Geoenvironmental risk assessment, management and sustainability
  - Sustainability
  - Risk-based site evaluation and management
  - Case histories and regional experiences
- Geotechnical recycling and reuse of waste materials
  - Construction and demolition wastes
  - Coal combustion residues
  - Dredged sediments
  - Other solid wastes
- Transport, persistence and fate of pollutants
  - Advection
  - Diffusion
  - Adsorption
  - Degradation and attenuation
  - Emerging contaminants
- Contaminated land and remediation technology
  - Site investigation
  - In-situ remediation
  - Off site remediation
  - New remediation technologies
- Engineering barriers
  - Covers
  - Liners
  - Vertical barriers
- Landfills of solid wastes
  - Waste characterization and properties
  - Stability
  - Deformation
  - Greenhouse gas and odor reduction
- Application of geosynthetics in geo-environmental engineering
  - Geotextiles and geocomposites
  - Geomembranes
  - Geosynthetic clay liners
  - Other geosynthetics
- Geoenvironmental aspect in energy geotechnology
  - Nuclear waste
  - CO<sub>2</sub> sequestration
  - Shallow and deep geothermal
  - Methane hydrates
  - Underground storage facilities
- Tailings and mine wastes
  - Tailing ponds
  - Waste dumps
  - Acid mine drainage
  - Heap leach pads
- Biogeotechnical engineering
  - Biomediation
  - Bioremediation
  - Phytostabilization and phytoremediation
- Forensic environmental geotechnics
  - Failure case studies

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