Introduction
The International Conference on Scour and Erosion (ICSE) was established in 2002, and has been run by the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) Technical Committee on Scour and Erosion TC213 (Chair: Shinji Sassa). The first conference was held in College Station Texas, USA (2002), followed by Singapore (2004), Amsterdam, Netherlands (2006), Tokyo, Japan (2008), San Francisco, USA (2010), Paris, France (2012), Perth, Australia (2014), Oxford, UK (2016), Taipei China Taiwan (2018), Virtual, USA (2021) and Copenhagen, Denmark (2023). The forthcoming conference will be held in Chongqing, China, in November 2025.

The goal of this conference is to bring together researchers, engineers and managers to share their latest findings on Scour and Erosion. This conference is an excellent platform for presenting your researches, ideas, technology advancements and engineering achievements.
ICSE2025 focuses on the *Advancement of Scour and Erosion for sustainable development*. The following topics are included:

A: Mechanics of Internal Erosion  
B: Sediment Transport  
C: Effects of Geology on Internal Erosion  
D: Rock Scour  
E: Erosion and Structures  
F: River, Coastal, Estuarine and Marine Scour and Erosion  
G: Numerical Modelling of Scour and Erosion  
H: Physical Modelling of Scour and Erosion  
I: Scour and Erosion Monitoring and Measurement  
J: Watershed Scale Soil Erosion, Restoration, and Conservation  
K: Scour and Erosion Countermeasures and Mitigation  
L: Geo-Hazards Induced by Scour and Internal Erosion  
M: Erosion Risk Assessment  
N: Case Histories, Lessons Learned, and General Practice  
O: Impact and Adaptation
### Tentative International Technical Committee (TITC)

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<tr>
<th>Name</th>
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<tr>
<td>Shinji Sassa</td>
<td>Japan</td>
<td>Catherine Avila</td>
<td>USA</td>
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<td>Yee Meng Chiew</td>
<td>Singapore</td>
<td>Gijs Hoffmans</td>
<td>Netherlands</td>
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<td>Bruce Melville</td>
<td>New Zealand</td>
<td>Beatrice Hunt</td>
<td>USA</td>
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<td>Keh-Chia Yeh</td>
<td>China Taiwan</td>
<td>John Harris</td>
<td>UK</td>
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<td>Jean-Louis Briaud</td>
<td>USA</td>
<td>Scott Draper</td>
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<td>Mutlu Sumer</td>
<td>Turkey</td>
<td>Christophe Chevalier</td>
<td>France</td>
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<td>Richard Whitehouse</td>
<td>UK</td>
<td>John Rice</td>
<td>USA</td>
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<td>Ming Xiao</td>
<td>USA</td>
<td>Hideo Sekiguchi</td>
<td>Japan</td>
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<td>Thor Ugelvig Petersen</td>
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<td>Jean-Jacques Fry</td>
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<td>Martin McIlroy</td>
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<td>Erik Bollaert</td>
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<td>Tiago Ferradosa</td>
<td>Portugal</td>
<td>Oliver Stelzer</td>
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<td>Weiming Wu</td>
<td>USA</td>
<td>Ha Bui</td>
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<td>Xiaobo Chao</td>
<td>USA</td>
<td>Miguel Angel Cabrera</td>
<td>Colombia</td>
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<td>Wen-Chieh Chen</td>
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<td>Yifei CUI</td>
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### Tentative National Scientific Committee (TNSC)

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<tr>
<th>Guangqian Wang</th>
<th>Tsinghua University</th>
<th>Jinren Ni</th>
<th>Peking University</th>
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<td>Pingyi WANG</td>
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<td>Jinhai ZHENG</td>
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<td>ChunBo JIANG</td>
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<td>Yifei Cui</td>
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<td>Hanlong Liu</td>
<td>Chongqing University</td>
<td>Zheng HU</td>
<td>Sun Yat-sen University</td>
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<td>Xingnian Liu</td>
<td>Sichuan University</td>
<td>Mingjing Jiang</td>
<td>Tongji University</td>
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<td>Mingxiong Cao</td>
<td>Changjiang Waterway Bureau</td>
<td>Wenjie Zheng</td>
<td>Xi’an University of A&amp;T</td>
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<td>Huaihan Liu</td>
<td>Changjiang Waterway Bureau</td>
<td>Zhaoyin Wang</td>
<td>Tsinghua University</td>
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<td>Shengfa YANG</td>
<td>Chongqing Jiaotong University</td>
<td>Duoyin WANG</td>
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<td>Wenjie Li</td>
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<td>Yue LIANG</td>
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<td>Xuhui FU</td>
<td>Chongqing Jiaotong University</td>
<td>Dawei GUAN</td>
<td>Hohai University</td>
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Organizing Committee of ICSE-12

Host Organizers:

Chongqing Jiaotong University, China
Hohai University, China

Chairs:

Pingyi Wang, Chongqing Jiaotong University
Jinhai Zheng, Hohai University

Special Consultants:

Shinji Sassa, Chair of ISSMGE TC213 on Scour and Erosion
Yee Meng Chiew, Nanyang Technological University

Local Organizing Committee (LOC)

Xuhui Fu, Chongqing Jiaotong University
Dawei Guan, Hohai University
Auspices

ISSMGE  International Society for Soil Mechanics and Geotechnical Engineering
TC213  Geotechnical Engineering Technical Committee 213 on Scour and Erosion
IAHR  International Association for Hydro-Environment Engineering and Research
WASER  World Association for Sedimentation and Erosion Research
THU  Tsinghua University
SCU  Sichuan University
HHU  Hohai University
TJU  Tianjin University
WHU  Wuhan University
DUT  Dalian University of Technology
CWB  Changjiang Waterway Bureau
CRSRI  Changjiang River Scientific Research Institute
IWHR  China Institute of Water Resources and Hydropower Research
NHRI  Nanjing Hydraulic Research Institute
TIWTE  Tianjin Research Institute for Water Transport Engineering
CALL FOR ABSTRACTS

Abstracts of papers for ICSE-12 are invited to address researches and applications on Scour and Erosion. A one-page abstract needs to briefly outline the paper. All abstracts should be received before or on Sept. 1, 2024. The contributors will be notified about the acceptance before Sept. 30, 2024. Accepted abstracts will be included in a brochure to be distributed to conference participants at the registration desk. All abstracts and papers will be peer reviewed, and all accepted papers will be published in the Online Library of ISSMGE.

**Special Note:** One best paper and one best student paper will be selected as a result of the review of full papers.

Keynote Speeches

Top names in the world of scour and erosion will be invited to give keynote speeches. There will be a total of 6 keynote speakers to be announced shortly.

Important Dates

- **Opening of Abstract submission** 2024/07/1
- **Abstract submission deadline** 2024/09/1
- **Abstract acceptance notification** 2024/09/30
- **Paper submission deadline** 2025/01/31
- **Paper acceptance notification** 2025/03/31
- **Early bird registration** 2025/08/30
- **ICSE-12** 2025/11/04-07

Awards

One best paper and one best student paper will be selected as a result of the review of full papers.

For each best paper, one registration fee is waived as an award that is a sponsorship from ICSE-11.
Technical Tours

1. Baima Pivotal Project for Navigation and Power Generating of Wujiang River

Baima Pivotal Project for Navigation and Power Generating is situated in the lower reach of the Wujiang River. The dam of the project is at the Wulong County of Chongqing with the controlling drainage area of 83690 km². This is one of the dams in the cascade dam system of the Wujiang River. Baima Pivotal Project is built and operated for optimal navigation and hydropower generation in this cascade system.

The normal pool level is 183m, extending the navigable channel 49 km upstream. The storage capacity is 158 Million m³, and regulation storage is 32 Million m³. Ten bulb units of 40.5MW are installed with the total capacity of 405MW and the annual energy output of 1.646 Billion kw.h. The maximum head for power generation is 31.44 m and the minimum head is 7.12 m. The project was completed in 78 months with 7.5 Billion RMB investment.

2. Pengshui hydropower station of Wujiang River

Pengshui hydropower station is in the Pengshui County of Chongqing. It is one of the cascade power stations in the main stream of Wujiang River. The dam is built in a V shaped gorge deeply incised in mountains of rocks. The dam of the project is 11km upstream of the Pengshui City, controlling a drainage area about 70,000 km². The main annual flow discharge is 1,320 m³/s. The normal pool level is 290m with the capacity of 1.24 Billion m³. The hydropower capacity is 1,200 MW and the main annual power generation is 7.24 Billion Kwh. The dam is an arch concrete gravity dam with the maximum dam height of 116.5m. The underground powerhouse is at the right bank which includes five units of large turbine generators with the total installed capacity of 1,750 MW. The navigation structures are on the left bank, including a one-way ship-lock and a two-stage ship-lifter of 500-ton passing capacity.
Registration Fees

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<td>After 18:00 August 30 2025 (UTC +08:00)</td>
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<tr>
<td>ISSMGE/IAHR members</td>
<td>US$ 700.00</td>
<td>US$ 750.00</td>
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<tr>
<td>Non-ISSMGE/IAHR members</td>
<td>US$ 850.00</td>
<td>US$ 900.00</td>
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<td>Students</td>
<td>US$ 400.00</td>
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Contact Information

Website (to be open in April 2024)

Email: ICSE2025@cqjtu.edu.cn

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