

The 12th INTERNATIONAL CONFERENCE ON SCOUR AND EROSION (ICSE-12)

(First Announcement)

November 4-7, 2025, Chongqing, China



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.

Topics

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)

Name	Nation	Name	Nation
Shinji Sassa	Japan	Catherine Avila	USA
Yee Meng Chiew	Singapore	Gijs Hoffmans	Netherlands
Bruce Melville	New Zealand	Beatrice Hunt	USA
Keh-Chia Yeh	China Taiwan	John Harris	UK
Jean-Louis Briaud	USA	Scott Draper	Australia
Mutlu Sumer	Turkey	Christophe Chevalier	France
Richard Whitehouse	UK	John Rice	USA
Ming Xiao	USA	Hideo Sekiguchi	Japan
Thor Ugelvig Petersen	Denmark	Jean-Jacques Fry	France
Alexander Scheuermann	Germany	Liang Cheng	Australia
Martin McIlroy	USA	Erik Bollaert	Switzerland
Tiago Ferradosa	Portugal	Oliver Stelzer	Germany
Weiming Wu	USA	Ha Bui	Australia
Xiaobo Chao	USA	Miguel Angel Cabrera	Colombia
Wen-Chieh Chen	China	Yifei CUI	China

Tentative National Scientific Committee (TNSC)

Guangqian Wang	Tsinghua University	Jinren Ni	Peking University
Pingyi WANG	Chongqing Jiaotong University	Jinhai ZHENG	Hohai University
ChunBo JIANG	Tsinghua University	Yifei Cui	Tsinghua University
Hanlong Liu	Chongqing University	Zheng HU	Sun Yat-sen University
Xingnian Liu	Sichuan University	Mingjing Jiang	Tongji University
Mingxiong Cao	Changjiang Waterway Bureau	Wenjie Zheng	Xi'an University of A&T
Huaihan Liu	Changjiang Waterway Bureau	Zhaoyin Wang	Tsinghua University
Shengfa YANG	Chongqing Jiaotong University	Duoyin WANG	Chongqing Jiaotong University
Wenjie Li	Chongqing Jiaotong University	Yue LIANG	Chongqing Jiaotong University
Xuhui FU	Chongqing Jiaotong University	Dawei GUAN	Hohai University



重慶交通大學
CHONGQING JIAOTONG UNIVERSITY



河海大學
HOHAI UNIVERSITY

Conference Organization

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)

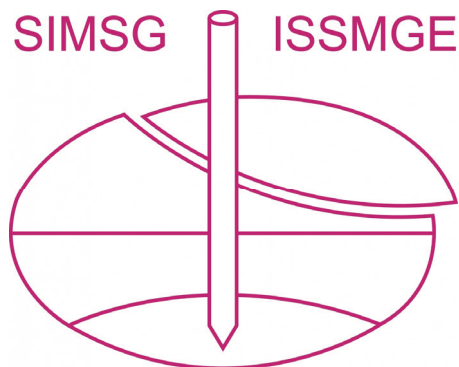
Xuhui Fu, Chongqing Jiaotong University

Dawei Guan, Hohai University



Auspices

ISSMGE	International Society for Soil Mechanics and Geotechnical Engineering
TC213	International Society for Soil Mechanics and 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

	EARLY Bird	REGULAR
	Before 18:00 August 30 2025 (UTC +08:00)	After 18:00 August 30 2025 (UTC +08:00)
ISSMGE/IAHR members	US\$ 700.00	US\$ 750.00
Non-ISSMGE/IAHR members	US\$ 850.00	US\$ 900.00
Students	US\$ 400.00	US\$ 450.00

Contact Information

Website (to be open in April 2024)

Email: ICSE2025@cqjtu.edu.cn

Address:

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Chongqing Jiaotong University
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