



澳門科技大學
MACAU UNIVERSITY OF SCIENCE AND TECHNOLOGY



16th International Conference on Hydrodynamics (ICHHD 2026)

April 15–18, 2026
Second Announcement



About ICHD 2026



The International Conference on Hydrodynamics (ICHD) is the forum for participants from around the world to review, discuss and present the latest developments in the broad discipline of hydrodynamics and fluid mechanics. The first ICHD was initiated in 1994 in Wuxi, China. Since then, 14 more conferences were held in Hong Kong, Seoul, Yokohama, Tainan, Perth, Ischia, Nantes, Shanghai, St Petersburg, Singapore, Egmond aan Zee, Incheon, Wuxi and Rome. Evidently, ICHD has become an important event among academics, researchers, engineers and operators, working in the fields closely related to the science and technology of hydrodynamics.

The 16th ICHD (2026) aims to enhance the exchange of the latest studies and state-of-the-art technologies on hydrodynamics, covering sectors and topics from climate change, coastal hazards, coastal engineering, to AI development, low altitude economy, and policy related to the sustainable development of coastal regions.

Keynote Speakers



Prof. Harindra Joseph Fernando

University of Notre Dame, USA



Prof. Guowei He

Chinese Academy of Sciences, China



Prof. Marilena Greco

Norwegian University of Science and Technology, Norway



Prof. Mohamed Salah GHIDAoui

The Hong Kong University of Science and Technology, China

Symposium and Topics

Symposium and five multidisciplinary research topics are focused on:

- Theodore Y. Wu Symposium
- Hydrodynamics and Coastal Resilience
- Eco-hydraulics
- Naval Architecture and Ocean Engineering
- AI for Fluid Mechanics
- Climate Change Adaption

Specific themes include, but are not limited to:

- Non-linear waves and current
- Ship hydrodynamics
- Cavitation and liquid flows with air cavities
- Ocean engineering
- Coastal engineering
- Fluid-structure interactions and hydroelasticity
- Hydraulic engineering
- Industrial fluid dynamics
- Computational fluid dynamics
- Ocean and atmosphere dynamics
- Environmental hydrodynamics
- Advanced experimental techniques
- Aquaculture
- Marine robotics
- Renewable energy technology
- AI applications in theoretical and applied hydrodynamics

Submission Method

The papers should be submitted electronically as a PDF file at:



<https://easychair.org/conferences/?conf=ichd2026>

Key Dates

Abstract Submission Deadline Sept. 30, 2025

Abstract Acceptance Notification Oct. 30, 2025

Full Paper Submission Deadline Nov. 30, 2025

Full Paper Acceptance Notification Dec. 30, 2025

We warmly welcome you to join us for ICHD 2026 at Macau University of Science and Technology!
For further inquiries, please contact:

Email: ichd2026@must.edu.mo

Tel: +86 13739469027, (+853) 88971758, (+853) 65595669

International Scientific Committee (ISC) includes the Executive Committee members of ICHD, along with experts at the forefront of theoretical and applied hydrodynamics:

- Prof. Yousheng Wu (Honorary Chair), China Ship Scientific Research Centre, China
- Prof. Odd Magnus Faltinsen (Co-chair), Norwegian University of Science and Technology, Norway
- Prof. Joseph Hun-Wei Lee (Co-chair), Macau University of Science and Technology, China
- Prof. Hua Liu (Co-chair), Shanghai Jiao Tong University, China
- Dr. Peng Kong Ao, Civil Engineering Laboratory of Macau (LECM), China
- Prof. Harry B. Bingham, Technical University of Denmark, Denmark
- Prof. Maurizio Brocchini, Università Politecnica delle Marche, Italy
- Prof. Eng Soon Chan, National University of Singapore, Singapore
- Prof. Dake Chen, Second Institute of Oceanography, Ministry of Natural Resources, China
- Prof. Guoqian Chen, Peking University, China
- Prof. Xiao-Bo Chen, Bureau Veritas, France
- Prof. Tim Colonius, California Institute of Technology, USA
- Prof. Huanfeng Duan, The Hong Kong Polytechnic University, China
- Prof. Bettar O. EL Moctar, University of Duisburg-Essen, Germany
- Prof. Mohammed Ghidaoui, The Hong Kong University of Science and Technology, China
- Prof. Marilena Greco, Norwegian University of Science and Technology, Norway
- Prof. Sa Young Hong, Korea Research Institute of Ships & Ocean Engineering, Korea
- Prof. Yonghwan Kim, Seoul National University, Korea
- Prof. Javier L. Lara, University of Cantabria, Spain
- Prof. Adrian Wing-Keung Law, National University of Singapore, Singapore
- Prof. Seung-Joon Lee, Chungnam National University, Korea
- Prof. Chang Lin, National Chung Hsing University, China
- Prof. Philip L-F. Liu, Cornell University, USA
- Prof. Inigo J. Losada, IH Cantabria, Spain
- Prof. Dongqiang Lu, Shanghai University, China
- Prof. Claudio Lugni, University of Naples Federico II, Italy
- Prof. Nobuhito Mori, Kyoto University, Japan
- Prof. Michele Mossa, Polytechnic University of Bari, Italy
- Dr. Anabela Oliveira, National Civil Engineering Laboratory (LNEC), Portugal
- Prof. Wei Qiu, Memorial University of Newfoundland, Canada
- Prof. Joel S. Sales Jr., Federal University of Rio de Janeiro, Brazil
- Prof. Vallam Sundar, Indian Institute of Technology, Madras, India
- Prof. Wentao Wang, China Ship Scientific Research Center, China
- Prof. Zhaoyin Wang, Tsinghua University, China
- Prof. Yasunori Watanabe, Hokkaido University, Japan
- Prof. Chi Yang, George Mason University, USA
- Prof. Zhifeng Yang, Guangdong University of Technology, China
- Prof. Zhiming Yuan, University of Strathclyde, UK

Local Organizing Committee

The forum is organized by the Faculty of Innovation Engineering of MUST.

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|---------------------------------------|------------------------|
| • Prof. Joseph Hun-Wei Lee (Chairman) | • Prof. Steve Melching |
| • Prof. Yibing Ma (Co-Chairman) | • Dr. Peng Liu |
| • Dr. Yanfu Wei (Secretary) | • Dr. Yibin Liu |
| • Dr. Weiquan Jiang (Co-Secretary) | • Mr. Eric Zhang |

Supporters and sponsors:

- Key Laboratory of River Basin Digital Twinning of Ministry of Water Resources
- National Observation and Research Station of Coastal Ecological Environments in Macao
- Macao Marine Engineering and Environment Research Center
- National Laboratory for Civil Engineering (LNEC)
- Science and Technology Development Fund (FDCT), Macao SAR
- Civil Engineering and Development Department (CEDD), Hong Kong SAR
- Civil Engineering Laboratory of Macau (LECM)
- Wynn Macau
- China Harbour Engineering Company Limited
- Zhen Hwa Harbour Construction Company Limited



Founded in 2000, the Macau University of Science and Technology (MUST) has rapidly developed into the largest multi-disciplinary university in Macao. MUST is among the world's top 300 universities in the Times Higher Education (THE) rankings (2021-2025).

MUST endeavours to educate students specialized in various fields, attaches equal importance to teaching and research, focuses on the quality of programs, and pursues excellence. The beautiful surroundings and convenient transport render it an ideal place for hosting international conferences.

Currently, MUST has three state-level research platforms:

- State Key Laboratory of Quality Research in Chinese Medicines
- State Key Laboratory of Lunar and Planetary Sciences
- National Observation and Research Station of Coastal Ecological Environments in Macao

In collaboration with mainland scientists, MUST is also a key leader in the scientific mission of the "Macao Science 1" satellite launched in May 2023 as the world's first satellite to precisely measure the earth's magnetic field in low latitudes.

In 2021, MUST has been designated by the Central Government as one of the two universities in Macao to develop a high-level demonstration base for innovation and technology in the Hengqin (Zhuhai) In-Depth Guangdong-Macao Cooperation Zone. On 19 Dec, 2024, President Xi Jinping visited MUST. He provided important guidance for the University's development, encouraging two-way exchanges between the mainland and Macao. The University has also established the Zhuhai-MUST Science and Technology Research Institute to meet the development needs of core industries of the Guangdong-Hong Kong-Macao Greater Bay Area (GBA). GBA is also a city-cluster region highly vulnerable to climate change impacts, and coastal protection and flood resilience are critically important issues.

To help promote Macao's economic diversification and support its sustainable infrastructure development, MUST and China Harbour Engineering Company Limited (CHEC) have jointly established the "Macao Marine Engineering and Environmental Research Center" in 2023.

