



Aug. 4~7, 2025, Jeju, Korea

<https://iahr-asia2025.org>

IAHR-Asia 2025

The 5th IAHR Asian Working Group Symposium on Hydraulic Machinery and Systems

Important Dates

Abstract Submission Deadline : **March 15, 2025**

Notification of Acceptance Deadline : **April 15, 2025**

Early Registration Deadline : **April 30, 2025**

Full Paper (or Extended Abstract) Submission : **May 31, 2025**

Welcoming Message

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Representing the Asian Working Group of IAHR Committee on Hydraulic Machinery and Systems, we are pleased to announce that the 5th IAHR Asian Working Group Symposium on Hydraulic Machinery and Systems (IAHR-Asia 2025) will be held in Jeju, Korea from 4th to 7th August 2025.

At this international meeting, current research activities and advanced technologies related to modern fluid machinery will be introduced and a more efficient way of sustainable development for our future will be discussed together with all participants.

Jeju island is South Korea's largest island and one of the wonderful cities in Korea, proud of beautiful scenery and historical places, traditional culture, delicious food and warm hospitality open to global visitors.

Please come to Jeju island and enjoy your valuable days by exchanging useful information and broadening nice network arranged by the symposium organizing committee.

We hope to see you soon in Jeju!

Prof. Young-Do Choi, Chair of IAHR-Asia 2025
Prof. Seung Jin Song, President of KSFM

Background

The international Association for Hydro-Environment Engineering and Research (IAHR), founded in 1935, one of the IAHR Committee is the Hydraulic Machinery and Systems, which deals with the advancement of technology associated with the understanding of steady and unsteady flow characteristics in hydraulic machinery and conduit systems connected to, and the main emphasis is to promote interaction between the machine designers, machine users, the academic communities, and the communities at large.

To meet its objectives, the Committee focuses on the best possible exchange of technical knowledge by arranging a Committee Symposium every second year. The symposiums are designed to attract scientists and engineers from industries, universities, consultants and users of hydraulic machinery. In addition, the Committee established "Asian Working Group" specially to promote the exchange and cooperation of hydraulic machinery industry in Asian countries.

In recent years, water conservancy and hydropower in Asia have been developing dramatically. Hydraulic machinery like hydro turbine, pump, and pump turbines etc., are widely used in project construction. There are plentiful scientific and technical payoffs achieved within the related researches. The "Asian Working Group" has held four symposiums on hydraulic machinery and systems, which are: IAHR-Asia 2017 in Beijing, IAHR-Asia 2019 in Busan, IAHR-Asia 2021 in Kathmandu and IAHR-Asia 2023 in Kashgar.

Scope

The scope of this symposium includes all areas of various Hydraulic machines as follows:

- Hydraulic Turbines
 - Pumps
 - Pump-Turbines
 - Small and Micro Hydropower
 - Vibrations and Fluid Structure Interactions
 - Pump Sump Model Test
 - Ocean Energy
 - Computational and Experimental Technique
 - Hydropower-based Hydrogen Production
 - Cavitation and Multiphase flow
 - Rotordynamics and Tribology
 - Flow Meters and Valves
 - Monitoring and Diagnosis
 - Design Optimization
 - PHM and Digital Twins
 - General Computational Fluid Dynamics
 - Compressors and Fans
- (will be updated)

Abstract Submission

Prospective Authors are invited to submit abstract of original unpublished works. A one-page abstract written in English should be submitted including the title of the paper, author's names and affiliation. Relevant information must be submitted together with the abstract author name, affiliation, address, contact phone/fax, postal code and email address. Please refer to the symposium website for guidelines on abstract and paper formats.

Publications

The selected papers recommended by the IAHR-Asia 2025 reviewers will be considered for publication in the special issue of peer-reviewed international journal, IOP Journal of Physics: Conference series, as a conference proceeding.

Language

English must be used in your abstract and final paper as well as your presentation.

Jeju Island and Symposium Venue

Jeju Island, Korea's largest island and smallest province, is a volcanic island known for its natural beauty and unique cultural heritage. Key attractions include Hallasan Mountain, a towering volcano and UNESCO Biosphere Reserve, and the Jeju Volcanic Island and Lava Tubes, a UNESCO World Heritage Site. The island features picturesque beaches, traditional folk villages, and the iconic Dol Hareubang statues. Jeju's cuisine highlights fresh seafood and the famed black pork. With its mild climate, stunning landscapes, and rich traditions, Jeju is a premier destination for both adventure and relaxation, which allows you to enter without a visa.

Symposium venue :

Phoenix Island Jeju, Jeju, Korea

<https://phoenixnr.co.kr/en/page/main/jeju>

Inquiry to :

Secretariat: Prof. Keunhwan Park, Gachon University, Korea
Email : kpark@gachon.ac.kr / Tel: +82-31-750-4772

Registration Fees

Regular	On-line	Early Bird Until 04/30/2025	500 USD	500,000 KRW
		After 05/01/2025	600 USD	600,000 KRW
	On-site		700 USD	700,000 KRW
Student	On-line	Early Bird Until 04/30/2025	300 USD	300,000 KRW
		After 05/01/2025	350 USD	350,000 KRW
	On-site		400 USD	400,000 KRW
Accompanying person	On-line / On-site		300 USD	300,000 KRW

* Accompanying person fee covers welcome reception, banquet, daily coffee and lunch & various social events.

** KRW payment is only for Korean participants.

Organizing Committee

Symposium Chair

Young-Do Choi (Mokpo National University, Korea)

Co-Chairs

Zhengwei Wang (Tsinghua University, China)

Kazuyoshi Miyagawa (Waseda University, Japan)

Local Organizing Committee

Sung-Min Kim (Secretary General, Sungkyunkwan University, Korea)

Bonchan Koo (Dong-A University, Korea)

Eun-Woo Lee (Korea Pump Industry Cooperatives, Korea)

Hyejeong Kim (Korea University, Korea)

Hyoung-Ho Kim (Gyeongsang Nat'l University, Korea)

Hyun-Su Kang (Research Institute of Industrial Science & Technology, Korea)

Hyeon-Seok Shim (Changwon National University, Korea)

Ji-Ho You (Korea Univ. of Technology and Education, Korea)

Jin-Hyuk Kim (Korea Institute of Industrial Technology, Korea)

Jongbum Kim (Hyosung Goodsprings Inc., Korea)

Jungwan Park (Korea Hydro & Nuclear Power Co., Ltd., Korea)

Keunhwan Park (Gachon University, Korea)

Sung Goon Park (Seoul National University of Science and Technology, Korea)

Tae-Gyu Hwang (Korea Hydro Power Industry Association, Korea)

Tai-Young Cho (Korea Water Resources Corporation, Korea)

Wonchul Choi (Korea Institute of Machinery & Materials, Korea)

