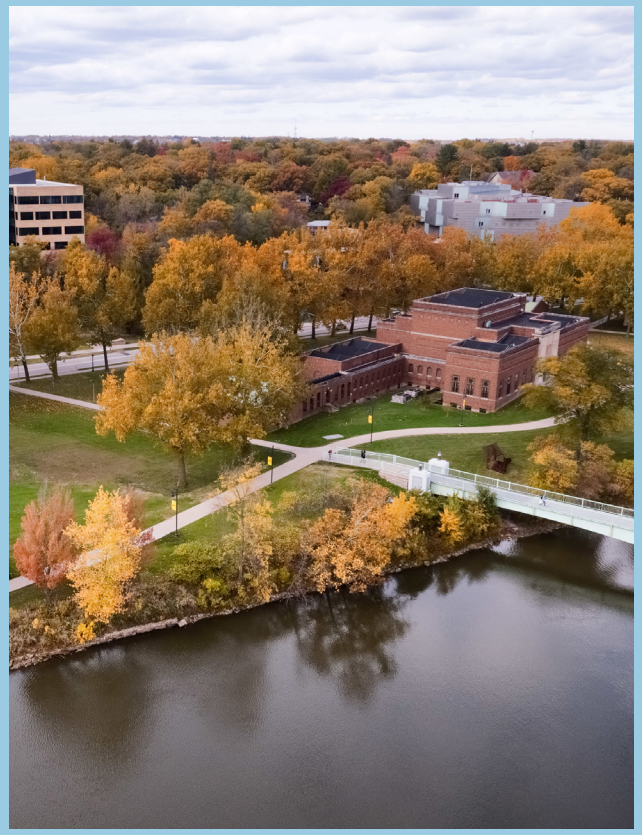
SPONSORS AND TECHNICAL EXHIBITION

Sponsorship is available at several levels (https://iseh.conference.uiowa.edu/sponsorship). As a gold or silver sponsor, you can access an extensive set of promotional opportunities at ISEH 2027.
A technical exhibition will include a display of products, software, instruments, publications, and company presentations. (Interested vendors, contact: iseh-2027@uiowa.edu)

MASTER CLASSES AND SHORT COURSES

Students and young scientists interested in attending one of the master classes or short courses are invited to submit a two-page CV and a one-page description of their research between November 1, 2026 and February 15, 2027. Please consult ISEH website for a list of topics for the master classes and short courses.



VENUE

The main venue will be the UI Engineering Seamans Center. The University of Iowa campus is a popular place for holding international meetings because of its good infrastructure, compact easy-to-walk downtown campus area, large number of hotels, reasonable accommodation prices at the downtown hotels, and personal safety. Cheaper accommodations may be available in a student residence on the UI campus for graduate students and young researchers. Most places of interest are within walking distance.

SYMPOSIUM WEBSITE

For updated information on conference registration, scientific program, abstract submission, hotel **iseh.conference.uiowa.edu**

Further inquiries can be made via email at **iseh-2027@uiowa.edu**

ISEH 2027

11th International Symposium on Environmental Hydraulics

June 1–4, 2027

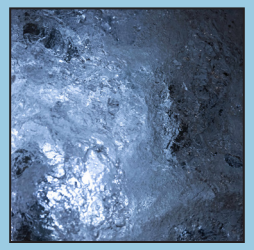
Iowa City, IA, USA

IAHR AIRH

IOWA ENGINEERING

WELCOME

Sponsored by the International Association of Hydro-Environment Engineering and Research (IAHR), the 11th ISEH symposium will bring together international experts to present and discuss new research and technical innovations in various areas of environmental fluid dynamics with a special focus on fluvial, coastal, urban and eco hydraulics and on assessing the environmental impact of hazard events.



The symposium will focus on the latest advances in experimental, theoretical and computational methods that can be used to deepen our understanding and capacity to predict flow and the associated fluid-driven ecological processes, anthropogenic influences (e.g., heat, dissolved and suspended organic/inorganic material), sediment transport and morphodynamic processes in rivers, coastal regions and reservoirs.

A number of Master Classes and Short Courses for will be offered as part of the ISEH. We look forward to welcoming you to ISEH 2027!

George Constantinescu, Symposium Chair

ORGANIZATION

ISEH 2027 is organized by the University of Iowa, College of Engineering in collaboration with the IAHR Fluid Mechanics Committee. As part of ISEH, participants will participate in a technical tour of the research facilities of the Iowa Institute of Hydraulic Research (IIHR-Hydroscience and Engineering), a world-renowned center for environmental hydraulics education, research and public service with a history of more than 100 years.

ISEH2027 is an abstract-only conference. There will be no requirement to submit an extended abstract or full paper after your 2 page abstract has been accepted.

MAIN TOPICS

Fluvial and open channel hydraulics
- » Fundamentals of flow over rough-bed surfaces including boundary layers developing over large-scale roughness elements, hyporheic flow effects
- » Flow in porous media; interaction of free surface flow with groundwater flow
- » Sediment transport and morphodynamics in rivers, estuaries and coastal environments
- » Hyper-concentrated flows, mud flows and granular flows and their effect on the environment
- » Reservoir sedimentation

Coastal and estuarine hydraulics
- » Pollutant/contaminant transport and fate in fluvial and marine environments
- » Renewable energy hydraulics in coastal regions

Environmental Hydraulics
- » Restoration of ecological habitats
- » Modeling tools for river habitat management
- » Eco-hydraulics
- » Fish passage and design of hydraulic structures for environmental/ecological purposes
- » Flow-vegetation interactions and flow-biota interactions
- » Theoretical modeling in environmental hydraulics
- » Artificial intelligence in environmental hydraulics

Urban hydraulics

Dispersion and mixing in natural water bodies with and without stratification effects

Jets, plumes, mixing layers
- » Turbulent jet flows, turbulent wakes and turbulent mixing layers
- » Effects of flow shallowness and stratification

Gravity currents and their interactions with the environment (e.g., vegetation, dams, bedforms)

Extreme events and associated environmental hazard (e.g., flood risk and flood mitigation)

Instrumentation, experiments, modelling
- » Remote sensing in environmental hydraulics
- » Innovative laboratory and field measuring techniques including techniques for studying particle laden and hyper-concentrated flows, and near-bed phenomena
- » Novel numerical approaches in environmental hydraulics

KEY DATES

December 2025: Call for abstracts

May 1, 2026: Abstract submission deadline

Sept. 1, 2026: Notification of provisional acceptance

Sept. 15, 2026: Online registration opens

Oct. 15, 2026: Revised abstracts due

Nov. 1, 2026: Notification of final acceptance of abstracts

Feb. 15, 2027: Deadline for Master Classes/Short Courses applications

March 15, 2027: Early bird registration closes

March 30, 2027: Master Class/Short Course acceptance notification

May 31, 2027: Master classes

May 30–31, 2027: Short courses

June 1-4, 2027: ISEH Symposium

REGISTRATION FEES

IAHR/Co-Sponsors Members:

Standard registration: $700
Early registration: $600 (before March 15, 2027)

Non-Members:

Standard registration: $750
Early registration: $700 (before March 15, 2027)

Students: Standard registration: $350

Early registration: $300 (before March 15, 2027)
Accompanying person: $150