ORGANISER

The 23rd IAHR APD Congress will be organized by the Department of Ocean Engineering, Indian Institute of Technology Madras, Chennai, with the support of the allied departments of the institute.

The Indian Institute of Technology Madras (IIT Madras) was founded in the year 1959. It is situated in the south Indian city Chennai (formerly known as Madras). The Institute is a self-contained, beautiful, green residential campus of about 250 hectares with all the modern amenities and support services. The Conference will be organized by Department of Ocean Engineering which is a center of excellence in the field of Coastal, Ocean, port Engineering, Inland navigation, sedimentation problems and allied departments are involved in a variety of problems related to Fluid Mechanics, Hydraulics, water resources and Management.

PRE-REGISTRATION

You may register your interest in attending the 23rd Congress of IAHR APD 2022 in the Congress website **https:// www.doe.iitm.ac.in/iahrapd2022** with full details of your name, affiliation, email address and WhatsApp details to receive updates.

IMPORTANT DATES

Papers on relevant topics of the Congress are invited. Prospective authors should submit two-page abstract (Word or Pdf format) to the Secretariat through website. The name of the corresponding author should be highlighted with affiliation and email address.

Abstract submission Open	15 May	2021
Deadline for abstract Submission	15 September	2021
Notice of acceptance of abstracts	30 October	2021
Deadline for Submission of full papers	15 January	2022
Notification of acceptance of papers	28 February	2022
Early bird registration	1 April	2022

Conference Secretariat
Prof. S. A. Sannasiraj (M.IAHR)
Organising Secretary, 23rd IAHR APD 2022
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23rd Congress of the International Association for Hydro Environmental Engineering and Research – Asia Pacific Division

Water – From Land to Sea – Conservation and Management

August 8-11, 2022
CHENNAI, INDIA

Organised by
Indian Institute of Technology Madras
CHENNAI, INDIA

MISSION

The objective of the current IAHR APD congress series is to bring together scientists, engineers and researchers in the region to share their ideas and experiences in the area of hydraulic research including Maritime Hydraulics. The main theme of the 23^{rdh} congress is **Water-From Land to Sea- Conservation and Management.** The Asia-Pacific rim has been experiencing floods as well as water problems forcing Researchers to work towards conservation, mitigation and also to cope up with the climate change effects on the water Resources. The 2015 flood in Chennai and the recent mammoth floods in China are examples. The sedimentation hampering smooth transport through navigable rivers, closure of river mouths, coastal erosion are problems that are perineal needing attention. The climate change adds a new dimension to the problems aforementioned. The 23rd IAHR APD Congress will provide an excellent forum for exchange of ideas and experience among scientists, engineers and researchers with a common interest in water environment and hydraulic problems.

Main Theme: Water – From Land to Sea – Conservation and Management

TOPICS

I. Surface and Ground Water Resources
- Assessment and development
- Remote sensing and GIS applications
- Watershed development and conservation
- Inter-basin transfer
- Surface and sub-surface flow interaction
- Integrated water resources management
- Hydro informatics
- River hydraulics
- Flood modeling
- Ground water management

II. Conveyance and distribution systems
- Pipe hydraulics and network analysis
- Water quality modeling
- Leak detection

III. Environmental Management
- Water quality and health
- Contaminant transport modeling
- River and ground water pollution
- Environmental impact assessment
- Recycling and reuse
- Desalination
- Micro pollutants
- Oil spill

IV. Maritime Hydraulics
- Coastal erosion and protection
- Sediment transport and Dredging
- Integrated Coastal Zone Management
- Inland waterways and Navigation
- Port, Harbour and Coastal Infrastructures
- Coastal Hazards and Mitigation

- Smart Coastal Cities
- Machine Learning and Artificial Intelligence
- Computational Hydrodynamics

V. Socio-economic and institutional aspects
- People participation
- Gender issues
- Conflict resolution
- Water Regulations and Law
- Society, Technology and Values
- Impacts of Large Water front Infrastructure
- Blue economy
- Risk assessment

VI *Climate Change*
- Climate modelling
- Impacts on Coastal infrastructure and Adaptation
- Water resources and waste management
- Eco system based design
- Smart Coastal cities

INFORMATION

The official language of the Congress is English. The congress will take place at Indian Institute of Technology Madras, Chennai, located along the south east coast of India The Congress will be conducted through parallel sessions. There will be a number of keynote and invited lectures delivered by prominent experts in the field (website will be updated periodically). The conference secretariat will facilitate arrangements concerning accommodation in guesthouses and hotels around IIT Madras. Few pre-conference workshops, short courses and special symposiums will be planned.

The registration fee for the Congress will cover the Proceedings, admission to all technical sessions, technical site visit, welcome reception, lunches and coffee breaks. Congress website: www.doe.iitm.ac.in/iahrapd2022

PRE- AND POST CONFERENCE TOURS

There are many interesting tourist attractions around Chennai for one- and two-day trips. The LOC will make necessary arrangement with an authorized travel agent and the tour packages will be displayed in the website.

REGISTRATION

Registration Fee (US$)	Normal	Early bird	On site
IAHR member fee	500	450	550
Non IAHR member fee	550	500	600
IAHR member developing country	450	400	500
Non IAHR member developing country	500	450	550
Student fee (Registered in tertiary insti)	300	300	350