



About the Conference

Civil Engineering Department of the National Institute of Technology Warangal, under the aegis of the Indian Society for Hydraulics (ISH) will hold **HYDRO 2023 INTERNATIONAL, 28th International Conference on Hydraulics, Water Resources, River and Coastal Engineering** from December 20 to 22, 2023 at Warangal, India. The conference aims at providing a forum for dissemination of recent contributions from academicians, scientists, researchers, practitioners and consultants in the fields of hydraulics, hydrology and water resources.

Themes

Hydraulics

- Computational fluid dynamics
- Hydraulic transients
- Dam-break problem
- Physical modeling
- Hydraulic structures
- Aerated flows
- Environmental hydraulics

River Engineering and Fluvial Hydraulics

- Sediment transport
- River morphology
- Trans-boundary water sharing
- Reservoir sedimentation
- Hyper concentrated flow
- Sediment management in hydropower projects

Surface Hydrology and Watershed Management

- Watershed hydrology
- Hydrologic modeling
- Flood forecasting and protection measures
- Drought assessment and mitigation
- Integrated watershed management
- Forest hydrology

- Agricultural hydrology
- Urban hydrology
- Catchment erosion
- Water conservation

Environmental Hydraulics

- EIA Water Resources Projects
- Hydrodynamics of Flow-biota Interactions
- Water Recycling and Reuse
- Environmental Flows in Rivers
- Pollutant Transport in Rivers
- Groundwater Contamination
- Sea Water Intrusion

Groundwater Hydrology

- Groundwater resource assessment
- Well hydraulics
- Modeling of flow and solute transport
- Planning of groundwater development
- Forensic groundwater hydrology
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Hydraulic Structure and Hydropower project

- Dam Safety and Monitoring
- Hydraulic machinery & instrumentation

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- Dam Safety and Monitoring
- Hydraulic machinery & instrumentation
- Rehabilitation of Old Dams
- Operation and Maintenance of Dams
- Risk in Hydropower Development and Management
- Design of storage and diversion dams
- Streamflow Turbines

Water Resources

- Optimal water allocation
- Reservoir operation
- Conjunctive use planning
- Irrigation and drainage
- Downstream issues

Coastal Engineering

- Coastal and ocean environment

Call for Papers

You are invited to submit abstracts of about 500 words on the mentioned themes through our website <http://cms.nitw.ac.in/conference/hydro2023/> electronically by April 30, 2023. Mention your affiliation, mailing address, phone and fax numbers and e-mail address. Selected papers will be published in Scopus/SCI/ESCI journals or in reputed books as technical papers or book chapter after peer review processes.

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- Ports and harbours
- Coastal and offshore structures
- Surface and subsurface seawater intrusion

Climate Change

- Scientific aspects
- Impact assessment on water resources
- Mitigation of climate change impact

Hydro-informatics

- Management of large data bases
- Pre and post modeling data processing
- Data mining and data-driven modeling
- Geospatial applications
- Cyber infrastructure in water

Hydroclimatic Extremes and Impacts

- Flood risk assessment
- Climatic extremes
- Drought
- Compound extremes

HYDRO 2023 INTERNATIONAL



28th International Conference on Hydraulics,
Water Resources, River and Coastal Engineering

NIT WARANGAL, INDIA

राष्ट्रीय प्रौद्योगिकी संस्थान वारंगल, भारत

20-22 December 2023

Key Dates

Abstract submission	01 Apr 2023
Abstract submission closes	30 Apr 2023
Acceptance of abstract	15 May 2023
Full paper submission	15 Jun 2023
Paper review outcomes	15 July 2023
Final paper submission	30 Aug 2023
Early bird registration	15 Nov 2023



NIT Warangal Indian Society for Hydraulics