

Committees

| | |
|-----------------------------|-------------------------------------------------------------------------------|
| Organizing Committee | Prof. Bidyadhar Subudhi, Director, NIT Warangal |
| Patron | Dr. R S Kankara, President, ISH Pune |
| Chairman | Prof. T D Gunneswara Rao, NIT Warangal |
| Coordinator | Prof. N V Umamahesh, NIT Warangal Prof. M C Deo, former President, ISH |
| Co-Coordinator | Dr. Ajey Patel, NIT Warangal Dr. L R Ranganath & Dr A K Singh, CWPRS, Pune |
| Organizing Secretaries | Dr. Manish Pandey, NIT Warangal Sri Amit Kulhare, CWPRS, Pune |

| | | | |
|------------------|-----------------------|-----------------------|-------------------|
| Internal Members | Prof. K V Jayakumar | Dr. Hari Prasad Reddy | Dr. Manali Pal |
| | Prof. Anandraj P | Dr. P V Rao | Dr. Anant K Rai |
| | Prof. M Chandrasekhar | Dr. M Shashi | Dr. Litan K Ray |
| | Prof. Venkata Reddy K | Dr. P Sridhar | Dr. V V Krishna |
| | Sri V N Kameswara Rao | Dr. C Sumanth | Dr. Sanjit Biswas |

Technical Advisory Committee

| | | |
|----------------------------------|--------------------------------|-------------------------------|
| International | Dr. B K Yadav, IITR | Dr. Pandith Madhure, TSGWD |
| Dr. Alfred Kalyanapu, USA | Dr. B S Mazumder, ISI Kolkata | Dr. Pankaj K Gupta, IITD |
| Dr. Amir AghaKouchak, USA | Dr. C S P Ojha, IITR | Dr. Prabhat Chandra, CWPRS |
| Dr. Ashok Mishra, USA | Dr. C Vinay, IIT Jammu | Dr. Prakash Chauhan, NRSC |
| Dr. Elena Pummer, NTNU Norway | Dr. D G Regulwar, GCOE | Dr. R G Patil, CWPRS |
| Dr. Erik Mosselman, Deltares | Dr. D J Den, IIT KGP | Dr. R K Bhattacharjya, IITG |
| Dr. Giuseppe Oliveto, Italy | Dr. Deepak Khare, IITR | Dr. R K Jaiswal, NIH Bhopal |
| Dr. Govindaraju R S, P USA | Dr. Deepak Swami, IIT Mandi | Dr. R P Pandey, NIH Roorkee |
| Dr. H Md Azamathulla, Trinidad | Dr. Dhanya C T, IITD | Dr. Raaj Ramsankaran, IITB |
| Dr. Jaan H Pu, UK | Dr. Eldho T I, IITB | Dr. Rajib Maity, IIT KGP |
| Dr. M Hanif Chaudhry, USA | Dr. G L Asawa, SVNIT | Dr. Ramakar Jha, NITP |
| Dr. Manousos Valyrakis, Scotland | Dr. H L Tiwari, MANIT | Dr. Ramakrishnan Balaji, IITB |
| Dr. Mukand Babel, AIT | Dr. H Prashanth Reddy, IIT KGP | Dr. Richa Ojha, IITK |
| Dr. P Diplas, USA | Dr. HAS Sandhu, PEC | Dr. S A Sannasiraj, IITM |
| Dr. Stefano Pagliara, Italy | Dr. J Sinha, CWPRS | Dr. S Chaudhuri, Jadhavpur |
| Dr. V P Singh, USA | Dr. J D Agrawal, CWPRS | Dr. S Karmakar, IITB |
| Dr. Venkataramana Sridhar, USA | Dr. Javed Alam, AMU | Dr. S. M. Goel, Delhi |
| National | Dr. K C Patra, NIT RKL | Dr. S M Yadav, SVNIT |
| Dr. A D Ghare, VNIT | Dr. K D Yadav, SVNIT | Dr. S N Kuiry, IITM |
| Dr. A K Keshari, IITD | Dr. K K Khatua, NIT RKL | Dr. S Saravanan, NITT |
| Dr. A K Lohani, NIH Roorkee | Dr. K Srinivasa Raju, BITS | Dr. Saud Afzal, IIT KGP |
| Dr. Arun Kumar, IITR | Dr. KBN Phanindra, IITH | Dr. Sekhar Muddu, IISc |
| Dr. Anil K Gupta, NIDM Delhi | Dr. M Arora, NIH Roorkee | Dr. Sharad K Jain, IITR |
| Dr. Anirban Dhar, IIT KGP | Dr. M K Goel, NIH Roorkee | Dr. Shivam Tripathi, IITK |
| Dr. Ankit Agarwal, IITR | Dr. M K Jain, IITR | Dr. Subashisa Dutta, IITG |
| Dr. Anoop Shukla, MAHE | Dr. M L Kansal, IITR | Dr. Subhasish Dey, IIT KGP |
| Dr. Anurag Sharma, NIT Rkl | Dr. M R Behera, IITB | Dr. Surinaidu Lagudu, CSIR |
| Dr. Ambika S, IITH | Dr. Mahesh K Jat, MNIT | Dr. Swati Bhave, VNIT |
| Dr. Arindam Sarkar, IIT BBS | Dr. Mahesh Pal, NIT KKR | Dr. V Jothiprakash, IITB |
| Dr. Ashish Pandey, IITR | Dr. Mahesh Patel, NIITJ | Dr. V L Manekar, SVNIT |
| Dr. Ashutosh Sharma, IITR | Dr. Manish K Goyal, IIT Indore | Dr. V Sundar, IITM |
| Dr. Ashwini Mirajkar, VNIT | Dr. Mohd Muzzammil, AMU | Dr. V V Srinivas, IISc |
| Dr. Balaji Narasimhan, IITM | Dr. Murali K, IITM | Dr. Venu Chandra, IITM |
| Dr. Baldev Setia, PEC | Dr. Nagesh Kumar, IISc | Dr. Vikas Garg, CU Haryana |
| Dr. Bandita Barman, IIT (ISM) | Dr. Nitin Joshi, IIT Jammu | Dr. Vivek Gupta, IIT Mandi |
| Dr. Bellie Sivakumar, IITB | Dr. P K Sharma, IITR | Dr. Z Ahmad, IITR |
| Dr. Bimlesh Kumar, IITG | Dr. P L Patel, SVNIT | Sri Mohit Kumar, PEC |
| | Dr. P V Timbadiya, SVNIT | Sri R M Khatsuria, CWPRS |

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. 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.

Early Bird Registration Fee (Before November 15, 2023)

| Category | Early Bird | Standard |
|---------------------------------------------|------------|----------|
| Foreign Delegates/Authors | \$ 300 | \$ 400 |
| Students | ₹ 3000 | ₹ 3500 |
| Contributing Authors (ISH Members) | ₹ 4000 | ₹ 4500 |
| Contributing Authors (Non-ISH Members) | ₹ 5000 | ₹ 5500 |
| Delegates (Central/State Govt./Acad. Inst.) | ₹ 5000 | ₹ 6000 |
| Delegates from Public Enterprises/Pvt Ltd. | ₹ 6000 | ₹ 7000 |

Account Details:

Beneficiary Name: HYDRO-2023

Account No.: 78272802743

IFSC Code: SBIN020149, SBI NITW

UPI ID: HYDRO2023@SBI

Prospective participants desirous of attending the Conference are requested to submit the registration form electronically along with registration fee before November 30, 2023.

Contact Details

Dr. N V Umamahesh

Coordinator HYDRO'23

Dr. Manish Pandey

Organizing Secretary HYDRO'23

Department of Civil Engineering

NIT Warangal, India-506004

Ph: +91-9760402431

E-mail: hydro2023@nitw.ac.in

Website: <http://cms.nitw.ac.in/conference/hydro2023/>



HYDRO 2023 INTERNATIONAL



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

NIT WARANGAL, INDIA

राष्ट्रीय प्रौद्योगिकी संस्थान वारंगल, भारत

21-23 December 2023

Key Dates

| | |
|----------------------------|--------------------------------------|
| Abstract submission | 10 Apr 2023 |
| Abstract submission closes | 15 May 2023 10 June 2023 |
| Acceptance of abstract | 31 May 2023 20 June 2023 |
| Full paper submission | 30 June 2023 31 July 2023 |
| Paper review outcomes | 31 July 2023 31 Aug 2023 |
| Final paper submission | 30 Aug 2023 30 Sep 2023 |
| Early bird registration | 30 Nov 2023 |





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 21 to 23, 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.

About NIT Warangal

National Institute of Technology, Warangal, formerly known as Regional Engineering College, was established in 1959. Pundit Jawaharlal Nehru laid the foundation stone for this institute on October 10, 1959 and this was the first in the chain of 17 RECs in the country. By the act of Parliament, the NITs are considered as Institutes of National Importance. The NIT Warangal is fully centrally funded Institute of National Importance, established under Parliament Act.

It has been recognized as a premier technological institute in the country with state-of-the-art infrastructure, dedicated faculty and staff. The institute is in the process of incorporating rapid changes to be on par with IITs. It offers 8 B.Tech Programmes, 37 PG Programmes (M.Tech., M.Sc., M.C.A. and M.B.A.) and Research programmes (PhDs) in all disciplines of engineering, sciences, humanities and physical education. The institution is well-known for its R&D activities, industrial consultancy, continuing education and training programmes for teachers and industrial personnel.

About ISH Pune

The Indian Society for Hydraulics (ISH), a technical, educational and not-for-profit national organization, was established in 1992 to serve as a common platform for engineers, scientists and technical personnel working in hydraulics and other allied fields. ISH helps technical personnel stay abreast with the latest development in hydraulics and water resources by organizing regular meets, symposiums, gatherings and seminars. The body also periodically recognizes and awards outstanding achievers in the field.

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
- Planning of groundwater development
- Forensic groundwater hydrology

Hydraulic Structure and Hydropower project

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

Climate Change

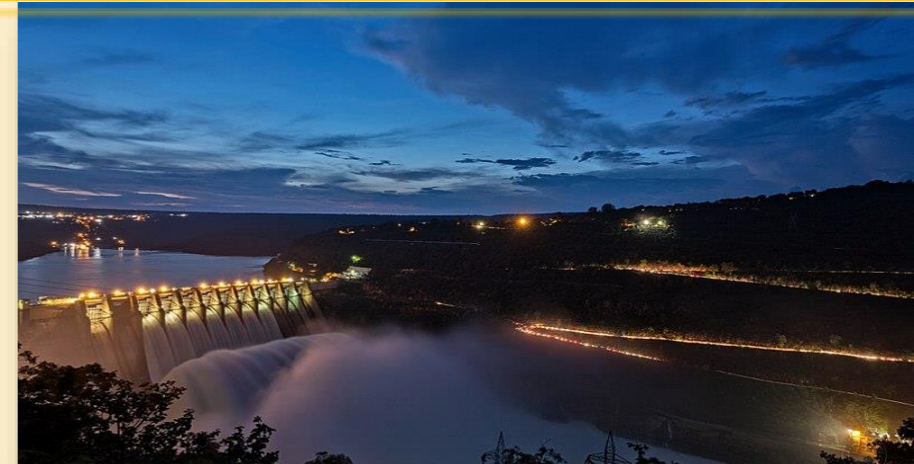
- Scientific aspects
- Impact assessment on water resources
- Mitigation of climate change impact

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



How to Reach NIT Warangal

Warangal is well connected to Hyderabad by rail and road.

By Roadways

Traveling from Hyderabad, NIT Warangal is approximately about 140 km away. NIT Warangal is situated on National Highway 163, and it takes 2½ hrs. by cab from Hyderabad.

The nearest bus depot to the campus is Hanamkonda bus stand, which is about 5 km away from the campus. Several buses run from Hyderabad to Hanamkonda.

By Airways

Nearest airport to Warangal is Hyderabad's Rajiv Gandhi International Airport which has the services of Air India, Spice Jet, Indigo airlines etc.

By Railways

There are several trains serving Warangal daily from various cities around. Kazipet (3 km) / Warangal (12 km) are the nearest railheads to the NIT Campus.