2024 IEEE Bangalore Humanitarian Technology Conference

2024 IEEE B-HTC

Venue: NMAM Institute of Technology, Nitte, India

March 22-23, 2024

Theme: SDG14 - Life Below Water

IEEE B-HTC 2024 **(Conference ID: 60740)** is a premier annual cross-disciplinary conference organized by IEEE Bangalore Section in association with IEEE Mangalore Subsection to bring together technologists, engineers, scientists, and investors, as well as representatives from NGOs, government, academia, and the industry. The 4th edition of B-HTC is being hosted at NMAMIT, and it aims at promoting research and development on "Sustainable Development Goal 14: Life Below Water" to use technology to conserve and sustainably use the oceans, seas, and marine resources for sustainable development. The world's oceans – their temperature, chemistry, currents, and life – drive global systems that make the Earth habitable for humankind. How we manage this vital resource is essential for humanity as a whole, and to counterbalance the effects of climate change.

Paper submissions are encouraged with respect to the **usage of technology (sensors, devices, computing, and services)** in the following domains, but are not limited to:

- Technology for reducing marine pollution, ocean acidification, sea erosion
- Protecting and restoring techniques for Coastal habitats and ecosystems
- Information and Communication Technologies for Sustainable fishing
- Satellite image processing
- Remote sensing & Geo Information System (GIS) in Marine Resources and Coastal Zone Management
- Information and Communication Technologies for Identification of species
- Ocean — Modelling, Data assimilation and analysis
- Harnessing ocean renewable energies using advanced technology
- Manned and unmanned underwater vehicles
- Marine Sensors, Ocean electronics, Ocean acoustics, Underwater communication and coastal surveillance
- Assessment of the vulnerability of coastal areas and technological solutions tp safeguard
- Data Intelligence and Oceanographic parameters forecasting
- Coastal water quality: monitoring and prediction techniques using ML and Data Science
- Coastal processes and hazards
- Coastal and environmental engineering
- Data acquisition, analysis, interpretation, and archival for ocean information.
- Early warning system for Tsunami and storm surges, Climate / Monsoon / Weather forecasting (AI/ML/Data Science/IoT Applications)
- Ocean observing system
- Marine biotechnology, Deep sea technology.
- Satellite Oceanography
- Use of IoT/AI/Data Science for exploring life below water

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Important Dates

Full Paper Submission Deadline (Hard) – **January 31, 2024**
Paper Acceptance Notification – **February 08, 2024**
CRC Submissions & Early Registration – **February 15, 2024**
Final Registration – **March 05, 2024**

Paper Submission Link:

https://cmt3.research.microsoft.com/BHTC2024/

Accepted and presented papers will be submitted to IEEE Xplore for possible publication.

Registration Fees

Category	Student/ research Scholar	Industry/ Academia	Non-authors	Foreign
IEEE	Rs. 5000	Rs. 7000	Rs. 2000	$100
Non IEEE	Rs. 6000	Rs. 8000	Rs. 3000	$125

A 20% discount is offered for early registration (on or before February 15, 2024).

For more details, visit:

www.bhtc-2024.ieeebangalore.org
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