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 to 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/Al/Data Science for exploring life below water

**Important Dates**
- Full Paper Submission Deadline – November 15, 2023
- Paper Acceptance Notification – January 15, 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**

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

**For more details, visit:**
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