

8th International Conference on Micro-Electronics, Electromagnetics
and Telecommunications

ICMEET - 2023

OCTOBER 6 - 7, 2023

Organized by

Department of Electronics and Communication Engineering,
National Institute of Technology Mizoram, India

CALL FOR PAPERS: SPECIAL SESSION

Special Session on “Performance Studies of Underwater Network communication”

Session Chair(s):

Prof. (Dr.) Name, Affiliation, E-Mail, Mobile No.

Prof. (Dr.) N. Padmavathy, Dept. of Electronics and Communication Engineering, Vishnu Institute of Technology, padmavathy.n@vishnu.edu.in, 9441703866

Theme of Session:

The majority of recent research on mobile ad hoc networks has focused on static and dynamic performance assessments of terrestrial networks. There is a tonne of literature in profuse in the aforementioned field. Researchers are slowly beginning to develop underwater networks. The researchers' attempt to study the UWAN performance are complicated because of the challenges in the environment.. It includes a wide range of topics, such as software components, embedded systems, power supply systems, automotive production, communication networks, big data, health monitoring, and many industrial systems. Modern options for the development of more effective and efficient performance methods to localization, channel modeling, reliability studies, etc. have been made possible by recent advancements in machine learning algorithms and computer capacity. Nevertheless, research on underwater Network

Topics of Interest:

We invite original (un-published) research contributions based on the above-mentioned theme including following topics **but not limited to:**

- i.** Underwater Communications
- ii.** Underwater Mobile ad Hoc network
- iii.** Underwater wireless sensor network
- iv.** Physical Layer: Propagation, Modulation and Signal Processing
- v.** Non-Acoustic Underwater Communications
- vi.** Underwater Localization

8th International Conference on Micro-Electronics, Electromagnetics
and Telecommunications

ICMEET - 2023

OCTOBER 6 - 7, 2023

Organized by

Department of Electronics and Communication Engineering,
National Institute of Technology Mizoram, India

- vii. New Applications Enabled by Next-Generation Underwater Communications
- viii. Underwater Communications Security
- ix. Adaptive Modem Architectures and Smart Networking Strategies
- x. Underwater channel modeling and signal processing
- xi. Quantum Technologies for Underwater Communications
- xii. Energy-efficient algorithms and protocol design for underwater networks
- xiii. Underwater network Reliability
- xiv. AI & ML algorithms for UWAN
- xv. Modeling, simulation, Experimental results from underwater networking.

Paper Submission Process:

Please submit your paper (in word/pdf format) at

email: padmavathy.n@vishnu.edu.in

with ‘**Performance Studies of Underwater Network communication**’

Program Committee: Name(s), Affiliation(s)

Dr. N. Padmavathy, Professor ECE, Vishnu Institute of Technology Bhimavaram, Andhra Pradesh, INDIA

For any further queries related to this special session, please contact the session chairs at:

E-mail ID: padmavathy.n@vishnu.edu.in

Mobile No.: 9441703866