8ᵗʰ International Conference on Emerging Smart Computing and Informatics ESCI-2026, 11-13 March 2026

Call for Papers

Important Dates:
- ➢ Last Date: December 31, 2025
- ➢ Notification: January 10, 2026
- ➢ Registration: January 15, 2026
- ➢ CRC Copy: January 15, 2026

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Publication
All accepted and registered papers of this special session will be submitted for possible inclusion into IEEE Xplore.

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Presence on IEEE Website

https://conferences.ieee.org/conferences_events/conferences/conferencedetails/68015

Submission Guidelines
As per IEEE Guidelines

Previous Conferences

https://ieeexplore.ieee.org/xpl/conhome/1836404/all-proceedings

Registration
Please visit conference webpage for registration and other details:
https://aissmsioitesci.edu.in/

Special discount of Rs.500/- on registration fees for all accepted papers of this special session.

Session Title: "Intelligent Communication: Leveraging AI, ML and Image Processing for the Future of Networking"

Session Chair: Dr. Sujata P. Pathak,
Assistant Professor, K J Somaiya School of Engineering, Somaiya Vidyavihar University, Vidyavihar, Mumbai-77

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Topics of Interest: Original and unpublished papers are invited in thefollowing topics and not limited to:

1. AI-based Network Traffic Prediction and Analysis
2. Machine Learning for Network Security and Intrusion Detection
3. AI-Driven Routing and Resource Allocation in Communication Networks
4. Reinforcement Learning in Wireless Communication Systems
5. Self-Healing Networks Using AI and Predictive Analytics
6. Federated Learning in Edge and 5G/6G Networks
7. AI in Software-Defined Networking (SDN) and Network Function Virtualization (NFV)
8. Image Compression and Transmission over Wireless Networks
9. Visual Signal Processing for IoT and Remote Communication
10. AI in Image-Based Communication Systems (e.g., Li-Fi, VLC)
11. Image Recognition and Processing for Surveillance Communication Systems
12. Deep Neural Networks for Channel Estimation, Equalization and Signal Classification in Wireless Networks
13. GANs for Data Augmentation in Communication Datasets
14. Deep Learning for QoS/QoE Optimization in Multimedia Communication
15. Vision-Based Communication in Autonomous Vehicles
16. Image and Video Processing for Real-Time Communication
17. AI-Powered Facial Recognition Systems in Secure Communication
18. AI in IoT and Smart City Communication Networks
19. ML for Underwater and Satellite Communication
20. Edge AI for Low-Latency Communication
21. AI in Human-Machine Interaction and Augmented Reality Communication
22. Privacy and Ethical Concerns of AI in Communication Systems

Paper Submission Process: Please submit your paper (inword / pdf format) at the email with Name of Special Session mentioned in the subject line on sujatapathak@somaiya.edu