

## ICAIN-2025

### International Conference on Artificial Intelligence and Networking

Organized by  
University of Stirling - RAK Campus, UAE  
10th - 11th October 2025

\*\*\*\*\* CALL FOR PAPERS \*\*\*\*\*

### SPECIAL SESSION ON

### Advances in AI-Driven Networking and Edge Intelligence for Smart Systems

#### SESSION ORGANIZERS:

Dr. Monica Bhutani, Associate Professor, Bharati Vidyapeeth's College of Engineering,  
New Delhi, 110063, INDIA ([Ph.: 9868344002](tel:9868344002))

#### SESSION DESCRIPTION:

The rapid evolution of artificial intelligence (AI) has significantly transformed networking and edge intelligence, enabling smart systems to process, analyze, and act upon data in real-time. This session will bring together researchers, practitioners, and industry experts to explore advancements in AI-driven networking, edge computing, and their applications in creating intelligent, secure, and efficient systems. The session will cover breakthroughs in AI techniques, machine learning, and their integration with networking technologies, enabling low-latency communication, resource optimization, and context-aware decision-making.

#### RECOMMENDED TOPICS:

- AI-driven optimization techniques for networking protocols and architectures.
- Edge intelligence for real-time decision-making in IoT networks.
- Integration of 5G/6G networks with AI and edge computing.
- AI-based resource allocation and energy efficiency in distributed systems.
- Applications of AI in network security and privacy.
- Context-aware communication systems enabled by machine learning.
- Federated learning and distributed AI in edge environments.
- Deployment challenges of AI-based solutions in networking systems.
- Emerging applications of AI-driven networking in healthcare, transportation, and smart cities.
- Interoperability challenges and solutions for AI-integrated networking systems.

Submission Guidelines available at: <https://www.ica-in-conf.com/downloads>

**IMPORTANT NOTE:** While submitting the paper in this special session, please specify [Session Name: Advances in AI-Driven Networking and Edge Intelligence for Smart Systems] at the top (above paper title) of the first page of your paper. (**\*\*Mail the paper ID to [monica.bhutani@bharatvidyapeeth.edu](mailto:monica.bhutani@bharatvidyapeeth.edu)**)