



ICICC

INTERNATIONAL CONFERENCE ON INNOVATIVE  
COMPUTING AND COMMUNICATION



Springer

## ICICC-2025 8<sup>th</sup> International Conference on Innovative Computing and Communication

ORGANISED BY: SHAHEED SUKHDEV COLLEGE OF BUSINESS STUDIES, UNIVERSITY  
OF DELHI, NEW DELHI IN ASSOCIATION WITH NATIONAL INSTITUTE OF TECHNOLOGY  
PATNA & UNIVERSITY OF VALLADOLID SPAIN

On  
14-15 FEBRUARY 2025.

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

### SPECIAL SESSION ON

Smart Networks: Integrating AI, IoT, and 5G for the Future of Autonomous Systems

### SESSION ORGANIZERS:

Dr Suresh Kumar K, Professor and Head, Department of Information Technology, Saveetha  
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### EDITORIAL BOARD: (Optional)

[Name, University or Organization, Country, e-mail]

### SESSION DESCRIPTION:

As the digital world continues to expand, the convergence of Artificial Intelligence (AI), the Internet of Things (IoT), and Edge Computing is transforming industries, unlocking the potential for smarter, more connected ecosystems. This session will explore cutting-edge research and innovations at the intersection of these technologies, showcasing how AI-driven IoT and edge intelligence are enabling real-time decision-making, autonomous operations, and efficient data processing closer to the source. By addressing key challenges such as network latency, security, scalability, and energy efficiency, this session will highlight how integrating AI and edge computing into IoT ecosystems is creating new

opportunities across diverse sectors including smart cities, healthcare, manufacturing, and autonomous systems.

Experts from academia, industry, and research organizations will discuss the latest advancements in AI-enabled IoT and edge intelligence, examining topics such as distributed AI algorithms, edge computing frameworks, privacy-preserving techniques, and the role of edge intelligence in enabling real-time autonomous systems. Attendees will gain insights into the future of smart, connected environments where AI seamlessly orchestrates IoT devices and edge nodes, paving the way for innovative solutions in automation, intelligent networks, and beyond.

This session is ideal for researchers, engineers, developers, and professionals interested in the future of AI, IoT, and edge computing and how these technologies are shaping the next generation of connected systems.

#### RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

- **Leveraging 5G and AI for Ultra-Reliable Low-Latency Communication in Autonomous Systems**
- **AI-Driven Network Slicing in 5G for Optimized IoT Integration**
- **Enabling Autonomous Vehicles with AI, IoT, and 5G: A Multi-Technology Approach**
- **The Role of AI in Network Security for 5G-Connected Autonomous Systems**
- **AI-Powered Edge Computing in 5G IoT Networks for Enhanced Autonomy**
- **Intelligent Resource Management in 5G Networks for Autonomous IoT Systems**
- **Dynamic Spectrum Management Using AI in 5G-Enabled IoT Networks**
- **AI and 5G Synergies for Mission-Critical IoT Applications in Smart Cities**
- **Edge Intelligence in 5G Networks: Unlocking the Potential of IoT for Autonomous Systems**
- **End-to-End AI-Orchestrated 5G Networks for Seamless Autonomous Operations**
- **AI-Based Predictive Analytics for Autonomous System Reliability in 5G IoT Networks**

#### SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on Smart Networks: Integrating AI, IoT, and 5G for the Future of Autonomous Systems **on or before [30<sup>th</sup> November 2024]**. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at [https://icicc-conf.com/paper\\_submission](https://icicc-conf.com/paper_submission). All submitted papers will be reviewed on a double-blind, peer review basis.

**NOTE:** While submitting paper in this special session, please specify [Session Name: **Smart Networks: Integrating AI, IoT, and 5G for the Future of Autonomous Systems**] at the top (above paper title) of the first page of your paper.

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