



BITS Pilani
Dubai Campus



ICAIN-2025

**International Conference on Artificial
Intelligence and Networking**

06th-07th October 2025

Organized by

BITS PILANI DUBAI CAMPUS, UAE

In association with

**Indian Institute of Information Technology, Allahabad
&
Universal Inovator**

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

SPECIAL SESSION ON

Artificial Intelligence-Driven Innovations in Industry 4.0: Integrating Robotics, IoT, and Cybersecurity for Intelligent Networking Systems

SESSION ORGANIZERS:

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EDITORIAL BOARD: (Optional)

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

SESSION DESCRIPTION:

This special session aims to bring together researchers, industry experts, and practitioners to explore the cutting-edge integration of Artificial Intelligence (AI) in enabling smart, secure, and autonomous systems within the framework of Industry 4.0. The convergence of AI with Robotics, the Internet of Things (IoT), and Cybersecurity is revolutionizing manufacturing, healthcare, transportation, and smart cities, creating intelligent networks that are adaptive, resilient, and efficient.

RECOMMENDED TOPICS:

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

- AI-powered robotics for industrial automation and smart manufacturing
- Intelligent IoT frameworks for real-time monitoring and predictive analytics
- Cybersecurity architectures for AI-enabled industrial systems
- AI-based anomaly detection in Industry 4.0 environments
- Edge AI for real-time robotic decision-making and control
- Smart factories and AI-enabled supply chain optimization
- Blockchain and secure networking for IoT-driven ecosystems
- Human-robot collaboration through intelligent interfaces
- Federated learning and privacy-preserving AI in smart networks
- Role of 5G/6G and AI in Industry 4.0 connectivity

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this particular theme session on **[Artificial Intelligence-Driven Innovations in Industry 4.0: Integrating Robotics, IoT, and Cybersecurity for Intelligent Networking Systems]** *on or before* **[30th August 2025]**. 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://www.icain-conf.com/downloads>. All submitted papers will be reviewed on a double-blind, peer-review basis.

NOTE: While submitting a paper in this special session, please specify **[Artificial Intelligence-Driven Innovations in Industry 4.0: Integrating Robotics, IoT, and Cybersecurity for Intelligent Networking Systems]** at the top (above paper title) of the first page of your paper.

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