

**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**

**Recent Trends in AI/IoT Security and Privacy Issues**

**SESSION ORGANIZERS:**

Dr. Geetanjali, Netaji Subhas University of Technology, Dwarka sector-3, New Delhi, India

[geetanjali.rathi@nsut.ac.in](mailto:geetanjali.rathi@nsut.ac.in)

**EDITORIAL BOARD: (Optional)**

Dr. Geetanjali, Netaji Subhas University of Technology, Dwarka sector-3, New Delhi, India

[geetanjali.rathi@nsut.ac.in](mailto:geetanjali.rathi@nsut.ac.in)

**SESSION DESCRIPTION:**

The convergence of AI (Artificial Intelligence) and IoT (Internet-of-Things) has revolutionized how devices interact, analyze and respond to their environment. Further, Advanced networks, encompassing technologies like 5G, IoT, and edge computing, give rise to a spectrum of security and privacy challenges. The proliferation of IoT devices expands potential vulnerabilities, data breaches become more concerning due to the handling of vast sensitive data, while IoT network slicing introduce new attack vectors. AI enhance IoT systems by enabling intelligent decision-making, predictive analytics, and real-time adaptive responses. Furthermore, Edge computing's distributed nature demands robust device-level security, and the extensive data collection raises privacy issues. Complex supply chains create openings for attacks, AI integration poses risks of adversarial exploits, and regulatory compliance struggles to keep pace. Mitigating these challenges requires a multifaceted approach involving encryption, vigilant updates, user education, and collaboration across sectors to ensure the safeguarding of advanced network integrity, security, and privacy.

**RECOMMENDED TOPICS:**

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

- AI Algorithms for IoT
- IoT security and Privacy Issues
- Security and Privacy in Advanced Technologies
- Security and Privacy in Edge Computing
- Proliferation of IoT Devices
- Vulnerabilities of IoT Networks

- Dataset Generation of AI network analysis
- Network analysis for security issues.
- Test-bed setup for IoT networks
- Edge computing and security concerns
- Aspects of security trends in AI

#### **SUBMISSION PROCEDURE:**

Researchers and practitioners are invited to submit papers for this particular theme session on **Recent Trends in AI and IoT Security and Privacy Issues *on or before* [30th May 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 **Recent Trends in AI and IoT Security and Privacy Issues** at the top (above paper title) of the first page of your paper.

**\* \* \* \* \***