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

AI powered healthcare: IoT and Networking for Next Gen Electronics

SESSION ORGANIZERS:

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SESSION DESCRIPTION:

The integration of AI, IoT, and networking is revolutionizing healthcare electronics, driving the development of smarter, more efficient, and interconnected healthcare solutions. In this special session, we explore how AI-powered systems, combined with IoT and advanced networking technologies, are shaping the next generation of healthcare devices and applications. These innovations are enabling real-time data collection, remote monitoring, personalized care, and intelligent decision-making, leading to improved patient outcomes and operational efficiency. By leveraging cutting-edge AI algorithms and seamless connectivity, healthcare professionals can make more informed decisions, while patients benefit from enhanced care delivery.

This session aims to provide insights into the latest research, trends, and challenges in this transformative field. It will also delve into practical applications, from wearable health devices to smart hospitals and telemedicine solutions, that showcase the true potential of AI and IoT in healthcare electronics. Join us to explore the exciting future of AI-powered healthcare.

RECOMMENDED TOPICS:

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

• Role of AI and IoT in Smart Healthcare Devices
• AI and IoT in Predictive Healthcare
• AI-Enhanced Medical Imaging through IoT-Connected Devices
• AI-Driven Wearable Devices for Continuous Health Monitoring
• Deep learning for intelligent sensor networks in IoT applications
• Energy-Efficient Networking Solutions for IoT-Healthcare Devices
• Edge Computing in Healthcare with AI and IoT Integration
• AI and Networking Innovations for Next-Gen Smart Healthcare
• Next-Generation Wireless Communication for Healthcare IoT
• Security and Privacy Challenges in AI-Enabled Healthcare, IoT Networks

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this particular theme session on **AI powered healthcare: IoT and Networking for Next Gen Electronics** *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 Session name- 'AI powered healthcare: IoT and Networking for Next Gen Electronics' at the top (above paper title) of the first page of your paper.

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