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 Advancements in Medical Imaging and Radiology

SESSION ORGANIZERS:

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EDITORIAL BOARD: (Optional)

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

SESSION DESCRIPTION:

Artificial Intelligence (AI) is revolutionizing medical imaging and radiology, enhancing disease detection, diagnostic accuracy, and workflow efficiency. AI-driven technologies such as deep learning (DL) and computer vision (CV) enable automated image analysis, segmentation, enhancement, and multimodal imaging fusion, improving precision and reducing human error. This session aims to bring together researchers, clinicians, and industry experts to explore cutting-edge AI innovations in radiology, including AI-powered diagnostics, predictive analytics, real-time image processing, and ethical challenges in AI deployment. Discussions will focus on practical applications, emerging trends, and the future of AI in transforming medical imaging for better patient

outcomes.

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:
• AI-Powered Disease Detection and Diagnosis
• AI in Medical Image Processing and Enhancement
• AI for Automated Image Segmentation and Classification
• AI in Multimodal Medical Imaging Fusion
• AI in Radiology Workflow Optimization
• AI for Personalized and Predictive Imaging Analytics
• AI in Mobile and Point-of-Care Imaging
• Ethical, Regulatory, and Deployment Challenges in AI for Medical Imaging
• AI in Ophthalmology and Retinal Imaging
• AI in Dentistry and Maxillofacial Imaging
• AI for Oncology Imaging and Cancer Detection
• AI in Neurological Imaging
• AI in Surgical and Interventional Imaging
• AI for Emergency and Trauma Imaging
• AI in Ultrasound and Fetal Imaging

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this particular theme session on **[session name]** *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] at the top (above paper title) of the first page of your paper.

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