

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 IN DISEASE DIAGNOSIS, PREDICTION, AND PREVENTION

SESSION ORGANIZERS:

Dr. Prasanalakshmi Balaji

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SESSION DESCRIPTION:

This special session aims to bring together researchers, academicians, and professionals from the interdisciplinary field of computational intelligence, healthcare, and data science to explore innovative approaches, methodologies, and applications for advancing disease diagnosis, prediction, and prevention. The session will focus on integrating computational intelligence techniques like machine learning, artificial intelligence, and data analytics into healthcare systems to enhance disease-related decision-making processes' accuracy, efficiency, and effectiveness. This special session aims to provide a platform for researchers and professionals to share their insights, latest research findings, and experiences applying computational intelligence in healthcare. This will ultimately contribute to advancing disease diagnosis, prediction, and prevention.

RECOMMENDED TOPICS:

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

- AI in Early Disease Detection
- Predictive Modeling for Chronic Diseases
- AI-Powered Diagnostic Tools
- Real-Time Health Monitoring
- Personalized Preventive Healthcare
- Natural Language Processing in Medical Records
- AI and Global Health Equity
- Ethical and Regulatory Challenges in AI Healthcare
- AI in Infectious Disease Prediction and Control
- Future Trends and Innovations in AI-Driven Healthcare
- Generative Adversarial Networks in medical data analysis
- Mathematical modeling of electronic health record diagnosis

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this particular theme session on **[AI IN DISEASE DIAGNOSIS, PREDICTION, AND PREVENTION]** *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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