



International Conference on Data-Processing and Networking (ICDPN-2025)

Date: 7th – 8th November, 2025

ORGANISED BY : Institute of Technology and Business in České Budějovice, Near Prague,
Czech Republic, Europe (Venue).

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

SPECIAL SESSION ON

Artificial Intelligence and Internet of Things in Disease Detection, Diagnosis and Prognosis

SESSION ORGANIZERS:

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SESSION DESCRIPTION:

Artificial Intelligence (AI) and the Internet of Things (IoT) have emerged as transformative technologies in modern healthcare systems. Their integration enables real-time monitoring, early disease detection, accurate diagnosis, and personalized prognosis. AI techniques process complex medical data to support clinical decision-making, while IoT devices ensure continuous health monitoring and seamless data acquisition. This session will emphasize novel frameworks, algorithms, and applications that integrate AI and IoT to enhance disease management strategies, particularly in chronic diseases, infectious diseases, and mental health.

RECOMMENDED TOPICS:

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

- Deep learning and machine learning models for disease prediction
- IoT-enabled real-time health monitoring systems
- Wearable sensors and smart health diagnostics
- AI-driven personalized medicine and prognosis models
- Cloud and edge computing in AI-IoT healthcare ecosystems
- Data fusion techniques and multimodal analytics for diagnosis
- Explainable AI (XAI) techniques for transparent diagnosis
- AI and IoT in post-treatment monitoring and rehabilitation
- Real-time alert systems using AI for emergency medical response
- Standardization and interoperability challenges in AI-IoT systems

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on "Artificial Intelligence and Internet of Things in Disease Detection, Diagnosis and Prognosis" on or before [31st 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.icdpn-conf.com/Downloads>. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify [**Session name**] at the top (above paper title) of the first page of your paper.