



## ICANTCI-2024

# 1<sup>st</sup> International Conference on Advanced Network Technologies and Computational Intelligence

*Organized by*

*Department of Computer Applications, Chitkara University, Punjab, India in association with City University, Malaysia and University of Wollongong in Dubai, UAE*

on

**April 5-6, 2024**

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

### **SPECIAL SESSION ON**

**Intelligent System for Anomaly detection using AI and DL**

### **SESSION ORGANIZERS:**

**Dr. Mithlesh Arya, Dr. Megha Gupta, Mrs. Abha Jain**

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### **SESSION DESCRIPTION:**

This session involves creating advanced systems that leverage Artificial Intelligence (AI) and Deep Learning techniques to automatically identify irregularities or outliers in data. These systems excel in recognizing complex patterns, making them valuable for applications such as cyber-security, fraud detection, predictive maintenance, and healthcare. By learning from data, they can autonomously detect anomalies without relying on explicit rules. This field is vital for enhancing security, optimizing operations, and preventing critical failures across diverse industries, contributing to more efficient and secure data-driven decision-making processes.

### **RECOMMENDED TOPICS:**

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

- Time Series Anomaly Detection
- Unsupervised Anomaly Detection
- Supervised Anomaly Detection
- Semi-Supervised Anomaly Detection
- Multi-modal Anomaly Detection
- Deep Learning Architectures

### **SUBMISSION PROCEDURE:**

Researchers and practitioners are invited to submit papers for this special theme session on **[Intelligent System for Anomaly detection using AI and DL] *on or before* [November 15, 2023]**. 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://ca.chitkara.edu.in/icantci2024/#>. 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 as a header.

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