



## 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**

**Artificial Intelligence for Wireless Networks**

### **SESSION ORGANIZERS:**

**Sridhar Iyer**

Professor

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### **SESSION DESCRIPTION:**

This special session aims to bring together researchers, academicians, and other stakeholders from various fields and disciplines and provide them with an independent platform to exchange information on the research, ideas, and findings related to the integration of AI/ML, and Federated Learning for the next-generation wireless networks.

### **RECOMMENDED TOPICS:**

Topics of interest include, but are not limited to, the following:

- ML and AI for wireless sensing and networking
- ML and AI for PHY layer design and implementation, application behavior prediction, and user experience modeling and optimization
- Intelligent resource and network management for wireless networks
- Intelligent network virtualization and software-defined networking
- Federated Learning for Wireless Networks
- Federated Machine Learning System Models & Design
- Transfer Learning for Wireless Networks
- Applications of Federated Learning in 5G/6G wireless networks: IoT, Cloud/Fog/Edge Computing and Networks, Vehicular and Mobile Networks, Healthcare, etc.

### **SUBMISSION PROCEDURE:**

Researchers and practitioners are invited to submit papers for this special theme session on **Artificial Intelligence for Wireless Networks** *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 **Artificial Intelligence for Wireless Networks** at the top (above paper title) of the first page of your paper as a header.

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