



ICAIN-2024

**International Conference on Artificial
Intelligence and Networking**



Organized by

Guru Tegh Bahadur Institute of Technology (GTBIT),
affiliated to

Guru Gobind Singh Indraprastha University (GGSIPU), Delhi
in association with

Portalegre Polytechnic University & Institute of Technology and Business in České Budějovice, Czech
Republic
&

Keshav Mahavidyalaya, University of Delhi



24th - 25th September 2024

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

SPECIAL SESSION ON

Computational Intelligence and Communication System

SESSION ORGANIZERS:

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EDITORIAL BOARD: (Optional)

Dr. Tanweer Ali is serving as an Associate Editor of the Following Journals

1. Frontiers in Antenna and Propagation, Frontiers Publisher
2. Micromachines, MDPI Journal
3. Journal of Studies in Science and Engineering
4. Journal of High Frequency Communication Technology

SESSION DESCRIPTION:

The development of fast, accurate, and reliable techniques for solving large-scale complex inverse scattering problems is a fundamental challenge because of its importance in several application scenarios, including computational Intelligence, subsurface prospecting, through-the-wall imaging, non-destructive testing and evaluation, structural health monitoring and communication. The relevance and interest of academic and industrial research in such areas is driven by several concurring factors, including increased availability of cost-effective data acquisition processes and measurement technologies, computing architectures suitable for large-scale processing, numerically efficient and robust computational methodologies exploiting original formulations, innovative information processing strategies, and new regularization techniques. In this framework, this special session is aimed at highlighting the challenges, current trends, and most recent advances in computational Intelligence and communication system.

RECOMMENDED TOPICS:

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

- Machine Learning for Image and Signal Processing
- Artificial Intelligence
- Wireless Sensor Networks
- Antenna Engineering including MIMO, Array, and millimeter wave Applications.
- Photonics
- Cognitive Communications
- VLSI, Embedded System
- Computer and Architecture
- Cybersecurity
- Future Internet Architecture
- QoS for Emergency Applications

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **[Computational Intelligence and Communication System] *on or before* [30th July 2024]**. 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 paper in this special session, please specify **[Computational Intelligence and Communication System]** at the top (above paper title) of the first page of your paper.

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