



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

AI-Enhanced Network Optimization: Innovations and Challenges

SESSION ORGANIZERS:

Dr. Deepti Khanna, Department of Information Technology, Jagan Institute of Management Studies, Rohini, Delhi, India, deepti.khanna@jimsindia.org

EDITORIAL BOARD: (Optional)

NA

SESSION DESCRIPTION:

Explore the forefront of network optimization with artificial intelligence (AI) in this session dedicated to innovations and challenges. Discover how AI-driven technologies are revolutionizing network performance, efficiency, and security. Hear from experts on cutting-edge AI algorithms, practical applications, and the complexities of integration. Gain insights into predictive analytics, real-time decision-making, and future trends shaping the landscape of AI-enhanced network optimization.

RECOMMENDED TOPICS:

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

- Advanced Algorithms for Network Optimization
- AI-Driven Network Traffic Management
- Optimization in Software-Defined Networking (SDN)

- AI for Wireless Network Optimization
- Predictive Maintenance and Network Reliability
- Edge Computing and AI in Network Optimization
- Energy-Efficient Networking with AI
- AI for Network Security and Threat Detection
- AI in Network Resource Allocation and Management
- Scalable AI Solutions for Large-Scale Networks
- Integration of AI with Traditional Networking Protocols
- Real-Time Network Monitoring and Optimization
- AI for Cloud Network Optimization
- AI in Network Function Virtualization (NFV)

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **[session name] 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 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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