



CALL FOR PAPERS

ICANTCI 2025

2nd International Conference on
Advanced Network Technologies
& Computational Intelligence

2nd-3rd May, 2025 | Mode: Hybrid



Special Session-1.3

Important Dates:

Paper Submission: **November 15, 2024**

Notification of Acceptance: **December 15, 2024**

Camera Ready & Registration: **January 5, 2025**

Conference Dates: **May 2-3, 2025**

Publication

All accepted and registered papers of the special session will be submitted to Springer for inclusion in its prestigious series "Communications in Computer and Information Science" (SCOPUS Indexed).

Registration

Please visit the conference website for registration and other details:

<https://ca.chitkara.edu.in/icantci2025>

Session Title:

AI and Blockchain Integration for Smart Contracts in Network Security

Session Description: The proposed special session, titled "Navigating the Future: The integration of Artificial Intelligence (AI) and Blockchain technologies is transforming the landscape of network security by introducing autonomous, scalable, and highly secure mechanisms. This special session aims to explore the convergence of AI and Blockchain to enhance the security and functionality of smart contracts within distributed network infrastructures. As cyber threats evolve, the combination of AI's predictive capabilities and Blockchain's decentralized trust model offers groundbreaking opportunities for safeguarding data, automating processes, and fortifying network protocols. This session invites contributions that push the boundaries of AI-enhanced Blockchain technologies for secure, intelligent network environments.

Session Chair:

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Topics of Interest: Topics of this special session include (but are not limited to):

- AI-driven optimization of Blockchain-based smart contracts
- Blockchain solutions for AI-powered network security
- Decentralized AI and trust mechanisms in Blockchain networks
- Smart contract vulnerabilities and AI-based detection
- Blockchain for secure data sharing in AI networks
- AI in consensus algorithms for enhanced Blockchain scalability
- Privacy-preserving AI using Blockchain technologies
- AI-based threat detection and response using Blockchain systems
- Interoperability between AI frameworks and Blockchain platforms
- Use of AI for predictive analytics in Blockchain network security
- Blockchain-enabled identity management using AI for secure networks
- AI-enhanced zero-trust models using smart contracts
- Secure multi-party computation using Blockchain and AI integration

Paper Submission Process: Papers can be submitted (in Springer CCIS format) to the conference CMT portal.

Paper submission link: <https://cmt3.research.microsoft.com/ICANTCI2025/Submission/Index>