ICICC-2025
8th International Conference on Innovative Computing and Communication

ORGANISED BY: SHAHEED SUKHDEV COLLEGE OF BUSINESS STUDIES, UNIVERSITY OF DELHI, NEW DELHI IN ASSOCIATION WITH NATIONAL INSTITUTE OF TECHNOLOGY PATNA & UNIVERSITY OF VALLADOLID SPAIN

On

14-15 FEBRUARY 2025.

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

SPECIAL SESSION ON

Revolutionizing Cybersecurity Paradigms with AI

SESSION ORGANIZERS:

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EDITORIAL BOARD: (Optional)

[Name, University or Organization, Country, e-mail]

SESSION DESCRIPTION:

Artificial Intelligence (AI) possess the immense potential to cater latest cyber-attacks by offering real-time threat detection and analysis without or with minimal human intervention. AI is emerging as an innovative tool for combating unknown and known cyber threats, innovating AI-driven threat detection, automated incident response, and machine learning models for identifying vulnerabilities and detecting potential breaches at early stages. AI-powered cyber security tools possess the power to handle large number of cyber-attacks at a faster rate with minimum human error. In the light of same, this session brings together promising field of AI and cyber security to highlight the innovative impact of AI on cybersecurity. It tends to explore how organizations can use AI-driven techniques to protect themselves from evolving cyber threats. Additionally, this session addresses latest challenges related to adversarial attacks on AI systems, ethical concerns, and the need for transparency in AI applications in today's world.

RECOMMENDED TOPICS:

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

- **AI algorithms for real-time threat detection and response.**
- **Machine learning/ Deep learning techniques for malware analysis and detection.**

- **Adversarial machine learning and robust AI defense mechanisms.**
- **Predictive analytics for cybersecurity risk assessment.**
- **Natural Language Processing (NLP) for detection of social engineering attacks.**
- **Deep learning for anomaly detection in large-scale networks.**
- **AI applications in IoT and edge security.**
- **Cyber threat intelligence and predictive modeling using AI.**
- **Privacy-preserving AI systems for secure communication.**
- **Ethical and societal considerations in AI-driven cybersecurity.**

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **Revolutionizing Cybersecurity Paradigms with AI *on or before* [15th December, 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://icicc-conf.com/paper_submission. All submitted papers will be reviewed on a double-blind, peer review basis.

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