

2nd International Conference on Smart Technologies for Smart Nation (SmartTechCon 2023)

Amity Global Institute, Singapore

18 - 19 August 2023.

Special Session on

Current AI-based Technology Trends and Issues for IoT, Communication Networks, and Cybersecurity

Theme of the Special Session: The main focus of the special issue titled "Current AI-based technology trends and issues for IoT, Communication networks, and Cybersecurity" is to provide a comprehensive overview of the latest developments and challenges in the field of artificial intelligence (AI) as applied to the domains of Internet of Things (IoT), communication networks, and cybersecurity. The special issue aims to explore the various applications of AI in these domains, including but not limited to, network optimization, security and privacy, fault detection and diagnosis, intelligent routing, and traffic management. It also aims to investigate the issues and challenges related to the integration of AI with these domains, such as the trustworthiness of AI-based solutions, ethical and social implications of AI, and the need for interoperability and standardization. The special issue includes articles from leading experts in the field, presenting their latest research findings, case studies, and practical experiences. It provides a platform for researchers, practitioners, and industry professionals to exchange ideas, share their knowledge, and discuss the latest trends and issues in this exciting and rapidly evolving field.

List of Session Topics:

- 5G/6G Communication and Security
- AI-based Authentication and Authorization
- Natural Language Processing for Threat Detection
- AI-based Fraud Detection
- Optical Steganography
- DNA Cryptography
- Blockchain and its Security
- Hardware and Embedded Security
- Industrial / Medical IoT Security
- VANET Security
- Security in Biomedical and E-Health Care Application
- FPGA implementation of Cryptographic algorithm
- Digital Forensic & Cloud Security
- AI based Malware and Intrusion Detection systems

Session Chairs:

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