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## International Conference on Cyber Analytics and Information Retrieval

***Organized by***

***Sister Nivedita University (SNU), India***

*Technically Sponsored by:*

**Scientific Innovation Research Group (SIRG), Egypt**

**Scientific Research Group in Egypt (SRGE), Egypt**

**CI2S lab, Argentina**

**Date: 24th – 25th April 2025 (Hybrid Mode)**

## \*\*\*\*\*\*\*\*\*\*\*\*\*\* CALL FOR PAPERS \*\*\*\*\*\*\*\*\*\*\*\*\*\*

**SPECIAL SESSION**

IoT and Blockchain for Next-Generation Secure Computing and Information Retrieval

### SESSION ORGANIZERS:

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**SESSION DESCRIPTION:**

The integration of Internet of Things (IoT) with blockchain and AI-driven solutions has unlocked new possibilities for secure, intelligent, and efficient computing. However, challenges such as data privacy, network vulnerabilities, and efficient information retrieval still need to be addressed. This special session aims to highlight novel research contributions in IoT security, blockchain for decentralized trust, and AI/ML-based secure information retrieval mechanisms. It will provide a collaborative platform for researchers and professionals working on innovative computing paradigms for ensuring trust, security, and privacy in IoT-based applications.

### RECOMMENDED TOPICS:

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

* Blockchain-based Secure IoT Architectures and Edge Computing
* AI-driven Security Mechanisms for IoT Networks
* Federated Learning for Privacy-Preserving IoT and Data Retrieval
* Decentralized Identity Management using Blockchain and AI
* Secure IoT Communication Protocols and Lightweight Cryptography
* Intrusion Detection and Anomaly Detection in IoT Systems
* Zero-Knowledge Proofs and Homomorphic Encryption for Secure Data Retrieval
* Secure Cloud and Fog Computing for IoT and Smart Cities
* Digital Forensics for IoT and Blockchain-based Applications

### PUBLICATION AND SUBMISSION PROCEDURE

The conference aims to carry out double-blind review process. The papers submitted by the authors will be assessed based on their technical suitability, the scope of work, plagiarism, novelty, clarity, completeness, relevance, significance, and research contribution. The conference proceedings will be published in AIP Web of Science, Scopus series.

**NOTE: While submitting the paper in this special session, please specify [IoT and Blockchain for Next-Generation Secure Computing and Information Retrieval] at the top (above paper title) of the first page of your paper.**

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