


ICDMIS 2024

**International Conference on Data Mining and Information Security
(ICDMIS 2024)**

Organized by
Eminent College of Management and Technology (ECMT)

Technically Sponsored by:
Scientific Innovation Research Group (SIRG), Egypt
Scientific Research Group in Egypt (SRGE), Egypt
SETIT Research Lab. Sfax University –Tunisia
CI2S lab, Argentina

Date: 7th – 8th October, 2024 (Hybrid Mode)

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

SPECIAL SESSION

Innovative Technologies for Secure Data Management, Cyber Defense, and Advanced Analytics

SESSION ORGANIZERS:



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SESSION DESCRIPTION:

This special session explores the synergy between emerging technologies such as blockchain, artificial intelligence (AI), and data mining in addressing contemporary challenges in data management and cyber security. With the proliferation of data-driven technologies and evolving cyber threats, there is a pressing need to develop innovative solutions that ensure data privacy, integrity, and security. This session brings together experts from academia and industry to examine cutting-edge research, methodologies, and practical applications at the intersection of blockchain, AI, data mining, and cyber security. Topics will include privacy-preserving techniques, decentralized data management, AI-driven threat intelligence, proactive cyber defense, and more. Through presentations, discussions, and case studies, participants will gain insights into the latest advancements and collaborative approaches for safeguarding sensitive information and combating cyber threats in today's digital landscape.

RECOMMENDED TOPICS:

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

- Blockchain Applications for Secure Data Management and Transaction Verification
- Decentralized Data Mining Techniques for Privacy-Preserving Analysis
- AI-driven Threat Intelligence for Proactive Cyber Defense Strategies
- Cryptographic Protocols and Techniques for Securing Blockchain Networks
- Machine Learning Approaches for Intrusion Detection and Anomaly Recognition
- Privacy-Preserving Machine Learning Models and Federated Learning Methods
- Smart Contracts for Automated Data Sharing, Access Control, and Compliance Enforcement
- Automated Vulnerability Assessment Tools and Patch Management Systems
- Integration of AI-based Security Analytics with SIEM Platforms for Threat Detection and Response
- Real-world Case Studies Demonstrating the Application of Innovative Technologies in Secure Data Management, Cyber Defense, and Advanced Analytics

PUBLICATION AND SUBMISSION PROCEDURE

The conference aims at carrying 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.

Submission Link: <https://cmt3.research.microsoft.com/ICDMIS2024>

Submission Deadline: 30th June, 2024

NOTE: While submitting the paper in this special session, please specify [Innovative Technologies for Secure Data Management, Cyber Defense, and Advanced Analytics] at the top (above paper title) of the first page of your paper.

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