


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

Recent Advancements in Generative AI: An Areas of Active Research

SESSION ORGANIZERS:



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SESSION DESCRIPTION:

The discipline of Generative AI has experienced rapid expansion and expanded applications, resulting in a wide range of recent achievements. Current research focuses on various topics such as utilizing unlabeled data more efficiently through self-supervised learning, addressing bias and ensuring fairness in generated content, optimizing models for energy-efficient inference on devices with limited

resources, handling multiple types of data for tasks involving different modalities, improving uncertainty estimation for decision-making and detection, developing privacy-preserving models for generating synthetic data while maintaining privacy guarantees, enabling interactive control over the generation process, utilizing meta-learning techniques for quick adaptation to new tasks or datasets, enhancing robustness to adversarial attacks to ensure model security, and facilitating generation and adaptation across different domains for wider applicability. These breakthroughs highlight the continuous endeavors to expand the limits of Generative AI, progressing towards more adaptable, dependable, and ethically conscious generative models.

RECOMMENDED TOPICS:

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

- Generative Adversarial Networks (GANs)
- Deep Learning
- Artificial Intelligence
- Machine Learning
- Image Generation
- Text Generation
- Audio Generation
- Video Generation
- Natural Language Processing (NLP)
- Style Transfer
- Transfer Learning
- Creative AI
- Neural Networks
- Reinforcement Learning
- Adversarial Attacks

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 **Springer LNNS Series (Scopus)**.

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

Submission Deadline: **30th June, 2024**

NOTE: While submitting the paper in this special session, please specify [Recent Advancements in Generative AI: An Areas of Active Research] at the top (above paper title) of the first page of your paper.

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