


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

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

SPECIAL SESSION

Advances in AI for Predictive Analytics and Decision-Making in Next-Gen Computational Systems

SESSION ORGANIZERS:



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SESSION DESCRIPTION:

In recent years, the high availability of data, expansion in computational and storage capacities, and rapid advancement of Artificial Intelligence (AI) techniques have had a huge impact in many industries. Ranging from education, insurance, and financial services to healthcare, communication, industries are finding benefits from predictive analytics for better decision making. Predictive analytics helps in increasing revenue via reducing risks and optimising operations. However, many challenges remain due to the domain specific and data challenges of volume, variety, velocity, veracity, and value that are limiting their wide scale adoption.

The special session on Artificial Intelligence for Predictive Analytics and Better Decision-Making in next generation computational systems invites contributions that address these challenges and/or showcase the latest real-world applications and enable algorithmic advancements in Artificial Intelligence for prediction.

RECOMMENDED TOPICS:

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

- AI driven time series modelling and forecasting
- AI driven temporal data analysis, prediction, and forecasting
- Transfer learning for time series forecasting
- Transformer architectures for time series forecasting
- Neural network architectures for time series forecasting
- Deep neural networks for time series modelling
- Deep learning-based outcome prediction
- GANs for time series analysis
- Advanced Predictive analytics algorithms

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 [Advances in AI for Predictive Analytics and Decision-Making in Next-Gen Computational Systems] at the top (above paper title) of the first page of your paper.

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