

  
**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: 7<sup>th</sup> – 8<sup>th</sup> October, 2024 (Hybrid Mode)**

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

**SPECIAL SESSION**

**Scalable Machine Learning for Health Care: Innovations and Applications**

**SESSION ORGANIZERS: Dr Mukesh Kumar**



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**SESSION DESCRIPTION:**

The field of health care has witnessed unprecedented advancements in recent years, with the integration of machine

learning (ML) emerging as a pivotal force in revolutionizing healthcare practices. This special issue aims to explore and showcase the latest innovations and applications of scalable ML in the healthcare field, emphasizing its potential to improve patient outcomes, simplify clinical workflows, and enhance overall healthcare delivery.

### RECOMMENDED TOPICS:

This special issue welcome submissions from researchers, practitioners, and experts in the interdisciplinary domain of scalable machine learning for health care. Topics of interest include, but are not limited to:

- Clinical Decision Support Systems: Scalable ML models for aiding medical professionals in diagnostic and treatment decision-making.
- Patient Risk Stratification: Predictive modeling for identifying at-risk populations and optimizing preventive interventions.
- Medical Imaging and Analysis: Scalable ML algorithms for image processing, interpretation, and diagnosis in medical imaging applications.
- Electronic Health Records (EHR) Analysis: Efficient and scalable approaches for Analyzing large-scale EHR data to derive actionable insights.
- Drug Discovery and Development: ML applications for accelerating drug discovery processes, optimizing clinical trials, and personalized medicine.
- Telemedicine and Remote Monitoring: Scalable ML solutions for remote patient monitoring, telehealth, and real-time health data analysis.
- Healthcare Fraud Detection: ML-driven approaches for detecting and preventing fraudulent activities in healthcare systems.
- Natural Language Processing in Healthcare: Scalable NLP techniques for extracting valuable information from unstructured healthcare data, such as clinical notes and medical literature.

### 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: **30<sup>th</sup> June, 2024**

**NOTE: While submitting the paper in this special session, please specify [Scalable Machine Learning for Health Care: Innovations and Applications] at the top (above paper title) of the first page of your paper.**

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