

8th International Conference on Data Science and Machine Learning Applications

Generative Artificial Intelligence: From Dream to Reality



November, 2-4, 2024
Riyadh, Saudi Arabia

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CDMA2024 offers a unique opportunity and exchange platform to academic researchers and industry experts from a wide range of Data Science and Machine Learning areas including, but not restricted to, generative AI, data analytics, computational intelligence, deep learning, pattern recognition, computer vision, multimedia/intelligent databases, big data, visualization, and related ethical/security issues.



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Call for Papers

Authors are invited to submit original contributions to the conference topics:

- Generative AI: Natural language processing (NLP), Arabic NLP, Language models, Large language models (LLMs), Text processing in LLMs, Development and deployment of LLM models, Applications of generative AI in computer vision.
- Data Science: Methods for analyzing scientific and business data, Social network analysis, Recommender systems, Mining sequences, Time series analysis, Online advertising, Bioinformatics, System biology, Text/web analysis and mining, Mining temporal and spatial data, Multimedia processing.
- Applications of Data Science: Applications of data science in domains including parallel and advanced databases, social networks, web, bioinformatics, finance, healthcare, security, etc.
- Big Data: Distributed data mining and machine learning platforms and algorithms, Systems for large-scale data analytics of textual and graph data, Large-scale machine learning systems, Distributed computing (cloud, map-reduce, MPI), Large-scale optimization, Novel statistical techniques for big data
- Data Analytics: Business Analytics, Credit scoring and financial modeling, Forecasting, Fraud detection, Web intelligence and information retrieval, Marketing, Business intelligence, E-commerce, Decision analysis and decision support systems
- Computer Vision and Machine Learning Applications in Healthcare: COVID-19 and medical imaging, Breast cancer detection, Brain tumor analysis

Paper Submission

Prospective authors are invited to submit full-length manuscripts not exceeding 6 pages. The manuscript should be prepared with an IEEE template using the double-column format. All submissions will be reviewed using a single-blind review process prior to acceptance for possible publication in the conference proceedings. All papers will undergo a plagiarism and similarity check using IEEE CrossCheck. Any papers not meeting the minimum standard will be excluded from the proceedings. All accepted and presented papers will be submitted to IEEE Xplore (Digital Library) for conference publication and indexed by EI.

Tutorials and Student Competitions

Tutorials will be held the day before the start of the conference. Student competitions (datathons) will be organized within the conference program.

Panel Discussions

Two important panel discussions with honorable experts will be held:

- 1) Generative Artificial Intelligence: Open Issues and Future Directions
- 2) Arabic Large Language Models: Challenges and Opportunities

Important Dates

Paper submission deadline: August 01, 2024

Paper notification: September 01, 2024

Camera-ready paper: September 20, 2024

Conference program: October 20, 2024