Call for Workshop Papers

The First International workshop on AI-Driven Modeling and Management of Data (AIMM 2024)
https://sites.google.com/view/aimm24

Pittsburgh, Pennsylvania

28-31 October 2024

To be held in conjunction with the 43rd International Conference on Conceptual Modeling, ER 2024
http://ER2024.org

Workshop Description:

Machine learning techniques are widely used in software development for various applications. This workshop focuses on machine learning approaches in seeking semantics and building conceptual modeling for various datasets such as text, image, video, stream data, drone or satellite data, GIS, etc.

This track aims to tackle research problems and practical applications for machine learning applications. Researchers and practitioners are invited to submit papers on the theoretical, technical, and practical issues of machine learning and its applications. We are particularly interested in applying machine learning techniques to specific application domains (e.g., e-learning, e-business, social networks, geographic information systems, medical informatics, bioinformatics, cyber-physical systems, etc.).

Topics of interest include, but are not limited to:
- AI-driven Conceptual modeling
- Semantic interoperability
- Ontology, Taxonomy, and Folksonomy
- Ontology generation/learning
- Building/utilizing ontologies and knowledge bases
- Semantics and ontologies in data integration
- Ontology-enabled search (engines)
- Knowledge graph and applicationsPersonalization
- User modeling
- Recommender systems
- Data analytics
- AI-Driven data systems
- AI-enabled data platforms

- AI-enabled question-answering
- AI-enabled data platforms
- Large language models (LLMs) applications
- Data processing for LLMs
- Applications of LLMs for real-world applications
- The ethical and societal implications of LLMs
- E-learning, e-business, medical informatics, bioinformatics, and legal domains
- Anomaly/Outlier detection
- Fairness, Bias, and Ethical issues

Important Dates

Abstract Submission (Optional) 📅 not later than 13 July 2024
Paper Submission 📅 not later than 27 July 2024
Paper Notification 📅 not later than 11 August 2024
Camera-Ready Version 📅 30 August 2024
Conference 📅 28-31 October 2024

Workshop Organizer:

- Hyoil Han (hyoil.han@acm.org, Illinois State University, USA),
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Program Committee (a tentative list)

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Submission Guidelines

Submit papers via EasyChair for ER 2024 to the "AIMM 2024 Workshop Papers" Track.

Since the proceedings will be published by Springer in the LNCS series, authors must submit manuscripts using the LNCS style or Overleaf. The page limit is 16 pages (excluding references). Papers will be judged on contribution, literature basis, novelty, clarity, relevance, and rigor. The review process is double-blind. Submissions must be anonymized.