ICDAM-2026
7th International Conference on Data Analysis and Management

Organized by *London Metropolitan University, London, UK (Venue Partner)*
in association with
WSG University, Bydgoszcz, Poland, Europe
&
Portalegre Polytechnic University, Portugal, Europe
&
SGGW Management Institute, Poland, Portugal
Date: 12th – 14th June 2026

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

SPECIAL SESSION ON
Next-Generation Data Engineering and Intelligent Analytics

SESSION ORGANIZERS:
Dr. Lokesh Jain, Associate Professor, Vivekananda Institute of Professional Studies-Technical Campus (VIPS-TC), Delhi, India, nsitlokesh.jain@gmail.com

EDITORIAL BOARD: (Optional):
[Name, University or Organization, Country, e-mail]

SESSION DESCRIPTION:
Artificial Intelligence (AI) is rapidly redefining how data is engineered, managed, and analyzed. The growing complexity and scale of modern data have pushed traditional engineering workflows and analytical techniques toward AI-centric paradigms capable of automation, adaptability, and real-time intelligence. This special session is intended to provide a forum for presenting recent advances, novel frameworks, and practical experiences that combine AI technologies with modern data engineering and intelligent analytics systems. The session will focus on building robust and scalable data ecosystems driven by machine learning, deep learning, and generative AI models. Topics of interest include smart data acquisition, self-optimizing data pipelines, automated feature discovery, interpretable and explainable analytics, and AI-assisted decision-making platforms. Contributions are invited from researchers and practitioners in academia and industry, including original research, applied studies, and deployment-driven insights that address current challenges and outline future opportunities in AI-driven data engineering and analytics.

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

- AI-Centric Architectures for Modern Data Engineering
- Smart Data Acquisition, Cleansing, and Transformation Techniques
- Self-Optimizing and Autonomous Data Pipeline Frameworks

- Learning-Based Approaches for Data Quality Assurance
- Intelligent Feature Extraction, Engineering, and Dimensionality Reduction
- AI-Powered Large-Scale and Big Data Analytics
- Real-Time, Event-Driven, and Streaming Intelligence Systems
- Advanced Deep Learning Methods for Structured and Unstructured Data
- Generative AI Techniques for Automated Insight Discovery
- Transparent, Explainable, and Interpretable Analytics Models
- Cloud-First and Distributed AI-Enabled Data Platforms
- Federated Learning and Privacy-Aware Analytics Solutions
- Graph-Based Analytics and Knowledge-Driven Reasoning
- Intelligent Decision-Making and Recommendation Frameworks
- Responsible, Secure, and Trust-Centric AI Analytics

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **[Next-Generation Data Engineering and Intelligent Analytics on or before 30 March 2026] .** All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at https://icdam-conf.com/downloads . All submitted papers will be reviewed on a double-blind, peer-review basis.

NOTE: While submitting a paper in this special session, please specify **[Next-Generation Data Engineering and Intelligent Analytics]**at the top (above paper title) of the first page of your paper.

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