CALL FOR PAPERS - SPECIAL SESSION
"AI-Enhanced Big Data Analytics for Intelligent Management Information Systems and Decision Support"
for CODIT 2026
July 13-16, 2026 ▪ Bari, Italy

Session Co-Chairs:

Dr. Afef Gueidi, University of Tabuk, KSA - (email: agueidi@ut.edu.sa)

Session description:

This special session deals with the problem of designing and deploying intelligent Management Information Systems that exploit Big Data and Artificial Intelligence to support strategic, tactical, and operational decision making in modern organizations. It focuses on how to collect, integrate, and analyze large-scale heterogeneous data (transactional, behavioral, sensor, and social data) through scalable architectures, advanced analytics, and explainable AI models in order to generate actionable insights for managers and stakeholders.

The goal is to advance methods and applications that close the loop between data, algorithms, and managerial action by combining Big Data technologies, AI-driven analytics, and decision and control models within MIS and decision support systems. Contributions are expected to address modeling, optimization, and implementation issues, as well as real-world case studies in business, public sector, smart cities, healthcare, logistics, and other data-intensive domains, with particular attention to trustworthy, human-centric, and reproducible solutions.

The topics of interest include, but are not limited to:

- Big Data architectures and cloud/edge platforms for MIS and decision support
- AI-driven predictive and prescriptive analytics for managerial decision making
- Explainable and trustworthy AI methods in Big Data-based MIS and DSS
- Process mining and workflow intelligence from event logs in organizations
- Integration of structured and unstructured data (text, logs, social media) in MIS
- Intelligent dashboards, BI systems, and real-time performance monitoring
- Data-driven control and optimization models in business and public organizations
- Big Data-enabled risk analytics, fraud detection, and resilience management
- Data governance, ethics, and privacy-preserving analytics in organizational contexts
- Real-world case studies and experimental platforms for AI-enhanced MIS and Big Data analytics.

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February 07, 2026:** **http://controls.papercept.net/conferences/scripts/start.pl**. In PaperCept, click on the **CoDIT 2026 link "Submit a Contribution to CoDIT 2026" and follow the steps.**

IMPORTANT: All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).

DEADLINES

February 07, 2026: deadline for paper submission

April 30, 2026: notification of acceptance/reject

May 20, 2026: deadline for final paper and registration