

## CALL FOR PAPERS - SPECIAL SESSION

### “Decision Intelligence in the Age of Big Data, AI, and IoT”

for **CoDIT 2025**

July 15-18, 2025 ▪ Split, Croatia

#### Session Co-Chairs:

Asst. Prof. Afef Gueidi, University of Tabuk, KSA (email: [agueidi@ut.edu.sa](mailto:agueidi@ut.edu.sa))

#### Session description:

This special session deals with the problem of managing the growing complexity of decision-making in the context of big data, artificial intelligence (AI), and the Internet of Things (IoT). It explores innovative methods, frameworks, and applications that integrate these technologies to build real-time, scalable, and intelligent decision-making systems.

The goal is to tackle challenges such as the volume, velocity, and variety of data while leveraging AI to extract actionable insights. The session encourages contributions that highlight advancements in predictive, distributed, and automated decision systems, with applications in smart cities, healthcare, and Industry 4.0.

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

- AI-driven decision intelligence systems leveraging big data analytics.
- IoT data integration with big data platforms for real-time decision-making.
- Scalable machine learning pipelines for big data ecosystems.
- Edge computing and distributed decision-making in IoT networks.
- Advanced analytics for unstructured data in big data frameworks.
- Predictive decision-making in dynamic IoT-enabled environments.
- Case studies on implementing decision intelligence in smart cities, healthcare, and industry 4.0.
- Challenges in managing data velocity, volume, and variety in big data-driven decision systems.

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#### SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February 07, 2025**: <http://controls.papercept.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDIT 2025 link** “Submit a Contribution to CoDIT 2025” 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, 2025:** deadline for paper submission

**April 27, 2025:** notification of acceptance/reject

**May 17, 2025:** deadline for final paper and registration