CALL FOR PAPERS - SPECIAL SESSION
"Knowledge Augmented Intelligent Systems"
for CODIT 2026
July 13-16, 2026 ▪ Bari, Italy

Session Co-Chairs:

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Session description:

The session deals with the problem of how to effectively integrate structured and unstructured knowledge into intelligent systems to enhance their reasoning capabilities, improve decision-making, and ensure transparency, especially in domains requiring high reliability and explainability. Knowledge-Augmented Intelligent Systems represents a growing area at the intersection of symbolic reasoning, machine learning, and domain-specific knowledge representation. In recent years, there has been an increasing need for AI systems that go beyond data-driven pattern recognition to incorporate structured knowledge and context-awareness. Integrating knowledge into AI systems improves interpretability, generalization, and adaptability across complex, real-world tasks.

The goal is to explore how various forms of knowledge (ontologies, knowledge graphs, expert rules, commonsense reasoning, etc.) can be leveraged to enhance intelligent systems in terms of performance, explainability, and trustworthiness. This session aims to bring together researchers and practitioners from both academia and industry to discuss novel models, architectures, and applications where knowledge plays a key role in augmenting AI capabilities.

The topics of interest include, but are not limited to:
- Knowledge representation and reasoning for AI
- Integration of knowledge graphs with deep learning
- Neuro-symbolic approaches
- Explainable AI using domain knowledge
- Applications in healthcare, finance, education, and robotics
- Evaluation metrics and benchmarks for knowledge-augmented systems

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