CALL FOR PAPERS - SPECIAL SESSION

"Artificial Intelligence and Metaheuristic Optimization for Intelligent Scheduling and Logistics Systems"

for CODIT 2026

July 13-16, 2026 ▪ Bari, Italy

Session Co-Chairs:

Prof. Saoussen KRICHEN, ISG, University of Tunis, Tunisia - saoussen.krichen@cck.rnu.tn

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Session description:

This special session focuses on intelligent optimization and artificial intelligence approaches for solving complex scheduling, logistics, transportation, and healthcare logistics problems under large-scale, dynamic, and data-rich environments. Modern decision-making systems increasingly rely on metaheuristics, evolutionary computation, and hybrid AI models to address high-dimensionality, uncertainty, and real-time constraints.

The goal of this session is to bring together researchers and practitioners developing advanced optimization frameworks, particularly metaheuristic and evolutionary methods, that enhance efficiency, robustness, and adaptability in intelligent logistics and scheduling systems across industrial and healthcare domains.

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

- Metaheuristic and evolutionary algorithms for scheduling and logistics
- Intelligent optimization in transportation and smart mobility systems
- AI-driven decision support for healthcare logistics and resource allocation
- Hybrid approaches combining machine learning and heuristic optimization
- Multi-objective optimization for supply chain and logistics networks
- Real-time and dynamic scheduling under uncertainty
- Swarm intelligence and evolutionary computing for complex systems
- Robust and adaptive optimization in data-rich logistics environments

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