



CALL FOR PAPERS - SPECIAL SESSION

“OR–AI Integration for Planning, Scheduling and Queueing Systems under Uncertainty”

for CODIT 2026

July 13-16, 2026 ▪ Bari, Italy

Session Co-Chairs:

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Session description:

Artificial Intelligence (AI) and Operations Research / Management Science (OR/MS) have historically relied on distinct paradigms for decision-making, ranging from data-driven learning approaches to analytical, model-based methods such as optimization, control, and queueing theory. As industrial and societal systems become increasingly complex, characterized by uncertainty, variability, and dynamic interaction, there is a growing need for tighter integration between the AI and OR communities.

This session invites contributions that explore how combining AI and OR/MS can enable robust, interpretable, and trustworthy decision-making frameworks, particularly for planning, scheduling, and flow management under uncertainty. We are especially interested in works demonstrating how data-driven intelligence can enrich analytical models, such as queueing systems, stochastic or robust planning models, and optimization-based decision support, while remaining applicable across a wide range of application domains.

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

- Integration of AI and OR/MS for planning, scheduling, and decision-making
- Comparison of AI and OR/MS approaches for planning, scheduling, and decision-making
- Hybrid approaches combining learning, stochastic optimization, or robust optimization
- Real-world industrial and societal applications (e.g., manufacturing, logistics, healthcare, services) illustrating AI–OR/MS-driven decision-making
- Explainable, robust, and human-centric decision-making in uncertain and dynamic environments
- Methodological and practical challenges in bridging the AI and OR communities to address complex dynamic systems

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February 07, 2026**: <http://controls.paperccept.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