



## CALL FOR PAPERS - SPECIAL SESSION

### “Recent Advances in AI-Driven Autonomous Robotic Systems: Integrated Control, Perception, and Intelligent Navigation”

for **CoDiT 2026**

**July 13-16, 2026 ▪ Bari, Italy**

#### Session Co-Chairs:

Prof. Imen Saidi, University of Tunis, Tunisia - (email: [imen.saidi@enit.utm.tn](mailto:imen.saidi@enit.utm.tn))

Prof. Amine Abadi, University of Bourgogne, France - (email: [amine.abadi@u-bourgogne.fr](mailto:amine.abadi@u-bourgogne.fr))

#### Session description:

This special session deals with the problem of designing and implementing AI-driven autonomous robotic systems capable of operating in complex, dynamic, and unstructured environments. The session focuses on the integration of control, perception, and intelligent navigation, aiming to explore architectures that tightly couple learning, decision-making, and control to enhance autonomy, robustness, and adaptability.

The goal is to bring together researchers and practitioners working on advanced AI-driven control and autonomous navigation, encouraging contributions that span from low-level motion control to high-level decision-making, validated through simulations or real-world experiments.

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

- AI-driven control strategies for autonomous robotic systems
- Intelligent perception, sensor fusion, and environment understanding
- Learning-based and adaptive control methods
- Reinforcement learning and deep learning for robotic navigation
- Motion planning and control in dynamic and uncertain environments
- Real-world applications and experimental validation of autonomous robots

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#### SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February 07, 2026:**

<http://controls.papcept.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