



9TH International Conference on Control, Automation, and Diagnosis



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July 1-3, 2025
Barcelone, Spain

Submission
deadline: **January 31, 2025**

CALL FOR PAPERS
SPECIAL SESSION ON
Innovations and Applications in Robotic Control Systems
for ICCAD 2025
July 1st-3rd, 2025, Barcelona, Spain

Session Co-Chairs:

- Amine ABADI, University of Bourgogne, France, amine.abadi@u-bourgogne.fr
- Chakib BEN NJIMA, University of Sousse, Tunisia, chakib.bennjima@ieee.org

Session description:

This special session explores the pivotal role of robotics and automation in advancing industrial processes, bridging theoretical breakthroughs with real-world applications. By gathering global experts, the session aims to spotlight emerging trends, challenges, and transformative innovations in robotic control systems and automation technologies. Participants will exchange ideas on the latest advancements and their implementation, fostering collaboration between academia and industry.

Contributions should address recent progress in designing, optimizing, and applying control systems, robotics, and mechatronics. The session welcomes submissions from researchers, scholars, and practitioners eager to share their original findings, promote new ideas, and propose enhancements for automation and robotics solutions.

The session invites contributions on, but not limited to, the following areas:

- Advanced Robotic Control and Modeling
- Path and Trajectory Optimization
- Hybrid Robotic Systems
- Autonomous Intelligent Mobile Robots
- Optimization and Optimal Control Strategies
- Robotic Sensing Technologies
- Reinforcement Learning for Robotics
- Innovations in Soft Robotics

SUBMISSION

Papers must be submitted electronically for peer review by: **January 31th, 2025**

<https://www.iccad-conf.com/submission/>

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).