



CALL FOR PAPERS
SPECIAL SESSION ON

**Advances, Applications and practical implementations of Robotic
Control systems**

**for ICCAD 2026
July 7-9, 2026, Lisbon, Portugal**

Session Co-Chairs:

- Prof. Ahmad Taher Azar, IEEE Senior Member

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- Dr. Ammar K. Al Mhdawi

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Session description:

Robotics and automation in its broadest sense plays a fundamental role in process industries. Research on robotics and automation has made significant progress in both theoretical investigation and practical applications. This special session is devoted to publish, present and discuss new trends in the design and applications of control systems, robots and mechatronic systems. The focus of this session will be to present several theoretical and practical problems related to robotics and automation, new discoveries and innovative ideas and improvements made in the field of robotics and automation with applications. The aim of this special session is to provide an opportunity for international researchers to share and review recent advances in the foundations, integration architectures, and applications of robotics and automation. The special session aims to solicit original, full length original articles on new findings and developments from researchers, academicians and practitioners from industries, in the area of control systems, automation and Robotics.

Topics of interest for this Special session include but are not limited to the following:

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| - Advanced Modeling and Robotic Control | - Path and trajectory planning |
| - Hybrid Robotic Systems | - Intelligent autonomous mobile robots |
| - Optimal or optimization control of robotic systems | - Robotic sensing systems |
| - Reinforcement Learning in Robotics | - Soft robotics |

SUBMISSION

Papers must be submitted electronically for peer review by: **January 31, 2026**

<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).