



CONTROLO'2022

15TH APCA INTERNATIONAL CONFERENCE ON AUTOMATIC CONTROL AND SOFT COMPUTING

JULY 6-8, 2022, CAPARICA, LISBON REGION, PORTUGAL

[HTTPS://CONTROLO2022.DEEC.FCT.UNL.PT/](https://controlo2022.deec.fct.unl.pt/)

Special Session on “Control applications in Robotics”

Organized by

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Call for Papers

Brief description of the theme. The Control Applications in Robotics Special Session goal is to join researchers and experts working in robotics (mobile robots, manipulators, etc) to discuss new developments and show new control approaches in robotic applications. New technological solutions and control algorithms have been applied in robotics. They are of high importance on the development of mobile, industrial and collaborative robotics, among others. The special session “Control applications in Robotics” aims to provide a forum for the discussion on the innovation and new developments on robotic control applications. New contributions in control applications in the robotics field are welcome be presented, disseminated and discussed among its peers in this special section.

This special session is devoted to all topics related with control applied to robotics, including (but not limited to) the following subjects:

- Dynamical models for robots
- Robotic Simulation
- Arduino, Raspberry Pi, Beaglebone and other solutions to control robots
- Autonomous Robots
- Control Architectures and Programming
- Multi-Robot control and coordination
- Performance Evaluation and Benchmarking
- Sensors and Sensor Integration for control
- Filtering and estimation in robotics
- Planning and control