The **4th IEEE-International Conference on Control, Automation and Diagnosis (ICCAD'20)**
July 1-3, 2020, Paris-France.

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Special Session on

Control systems and Robotic Applications

Special Session Organizer:

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DESCRIPTION

Control and automation in its broadest sense plays a fundamental role in process industries. Automatic control systems involve mathematics more than it is usual in other engineering disciplines. Even though the subject has strong mathematical foundation, emphasis throughout the text is not on mathematical rigour or formal derivation (unless they contribute to understanding the concept), but instead, on the methods of application associated with the analysis and design of feedback system Advances in sensors, actuators, computation technology and communication networks help provide the necessary tools for the implementation of control hardware. Practical applications for this control method are aimed toward a variety of relevant scientific research fields that include robotics and automation with applications. The scope of this special session is to present and discuss new trends in the design, control and applications of control systems, robots and mechatronic systems.

SCOPE AND TOPICS

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 control systems and Robotics. 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 and Robotics.

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

- Advanced Modeling and Control
- Adaptive Control
- Biomedical Control systems
- Bio-robotics
- Digital control systems analysis and design
- Drones
- Hierarchical Intelligent Controllers
- Hybrid Control Systems
- Intelligent Control Systems
- Intelligent Learning Control
- Intelligent Control Architecture
- Mechatronics
- Mobile Robots
- Model predictive control
- Multirate control
- Nonlinear system
- PID Control
- Robust control and robustness
- Robot Control
- Robotics and Mechatronics

IMPRTANT DATES

Paper Submission:	March 31, 2020
Paper Accept/Reject Notification	April 25, 2020
Camera Ready Paper Submission	May 10, 2020
Registration Due date	May 10, 2020