



5th International Conference on Advanced Machine Learning Technologies and Applications (AMLTA-2020)
Manipal University Jaipur, Jaipur, Rajasthan, India
February 13-15, 2020.

Special Session on

Advances of Modern Control Systems and Robotic Applications (AMCSRA)

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
- Hierarchical Intelligent Controllers
- Hybrid Control Systems
- Intelligent Control Systems
- Intelligent Learning Control
- Intelligent Control Architecture
- Mechatronics
- Model predictive control
- Multirate control
- Nonlinear system
- PID Control
- Robust control and robustness
- Robot Control
- Robotics and Mechatronics

IMPRTANT DATES

Paper Submission: 15 August 2019

Paper Accept/Reject Notification 15 September 2019

Camera Ready Paper Submission 30 September 2019

Registration Opens 15 September 2019

Early Bird Registration closes 15 November 2019

SUBMISSION GUIDELINES

Please refer the following link for paper template, submission system and other process related to online paper submission.

<http://amlta.com/2020/author-guidelines/>