Special Issue

Intelligent Mechatronic Systems: Advances in Automation, Control, and Robotics

Message from the Guest Editors

This Special Issue will provide an overview of the preponderant role that mechatronic systems have acquired in contemporary scientific, technological, and industrial development.The contribution of mechatronic systems in the area of automatic control has been crucial to the development of more precise, adaptive, and efficient supervisory architectures by integrating smart sensors, high-precision actuators, and advanced control algorithms that allow for robotic platforms to interact with their environment autonomously and safely. The incorporation of artificial intelligence techniques has given rise to systems that are capable of learning, reasoning, and making decisions in real-time, significantly expanding their range of application—from industrial automation to medical assistance to exploration in unstructured environments. This Special Issue aims to gather original contributions and reviews that examine the key intersections between mechatronics, control, robotics, and artificial intelligence, with a focus on interdisciplinary approaches that foster the development of intelligent cyber–physical systems and their influence on global technological innovation.

Guest Editors

Dr. José R. García-Martínez

Dr. Roberto Valentin Carrillo-Serrano

Prof. Dr. Juvenal Rodriguez-Resendiz

Deadline for manuscript submissions

31 August 2026

Automation

Automation

an Open Access Journal by MDPI

**Impact Factor 2.0
CiteScore 4.1**

About the Journal

Message from the Editor-in-Chief

Automation (ISSN 2673-4052) is a international peer-reviewed open access journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of automation and control system. Both experimental and theoretical papers are published, including all aspects of manufacturing systems, energy management systems, aerospace control systems, learning systems, intelligent control systems and so on. *Automation* organizes Special Issues devoted to specific automation and controlling areas and applications each year.

Editor-in-Chief

Prof. Dr. Eyad H. Abed
Department of Electrical and Computer Engineering and the Institute for Systems Research, University of Maryland, College Park, MD 20742, USA

Author Benefits

Open Access:
free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:
indexed within ESCI (Web of Science), Scopus, EBSCO, and other databases.

Reliable Service:
rigorous peer review and professional production.