

Special Issue

Electromechanical Actuators and Sensors Targeting Mechatronics in the Smart Industry

Message from the Guest Editors

The topics of interest include, but not restricted to:

- Electromechanical actuators including sensors mechanism for factory robotics; the use of more to all electric actuation principles to improve the production efficiency.
- Novel physical sensors targeting position, force and manipulation of factory robots.
- Innovative sensing strategies for process monitoring and the tracking of product history.
- Additive manufacturing of actuators for industrial robots and the integration of additive manufacturing in smart factories.
- Sensor-actuator integration, condition monitoring and big data analytics on industrial robots targeting factory automation and field robotics.
- Artificial intelligence coupled with sensor-actuator architecture for smart manufacturing.
- Energy harvesting and self-powered actuator-sensor systems.

Guest Editors

Prof. Dr. Junghwan Chang

Dr. Sarbajit Paul

Prof. Dr. Anindya Nag

Deadline for manuscript submissions

closed (15 May 2025)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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