

## Special Issue

# Smart Materials for the Sensor and Actuator Applications

### Message from the Guest Editors

Recently, the rapid development of control systems has received worldwide attention. In spite of the fact that recently developed control systems utilize the most sophisticated algorithms, including artificial intelligence, the efficiency of control systems still relies on the quality of utilized sensors for object observation and actuators for interactions with objects. As a result, the development of effective and economically justified sensors and actuators is one of the key issues for recent technological development. Moreover, developing competitive and efficient sensors and actuators requires smart materials. This has rapidly changed the market for sensors and actuators. This Special Issue is focused on smart materials for sensor and actuator applications covering mechanical, mechatronics, biomechanical, electrical, and electronic systems. We hope that the high-quality papers within this Special Issue will bring a new, highly required impetus for a global transformation towards efficient control systems.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 July 2025)



## Materials

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### Message from the Editorial Board

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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