

Special Issue

Smart Materials for Micro Electro Mechanical Systems (MEMS)

Message from the Guest Editor

This Special Issue on “Smart Materials for Micro Electro Mechanical Systems (MEMS)” for Materials will publish original work focusing on the development of smart materials with a MEMS target application. Papers can include areas focusing on fabrication techniques, material characterization, the development of novel materials, enhancing material properties, integration with MEMS, sensing, and actuation. MEMS applications of interest include energy conversion, BioMEMS, resonators, sensors, and actuators.

Possible smart materials range from but are not limited to piezoelectrics, magnetcs, photonics, triboelectrics, stimuli-responsive polymers, composites, hybrids, flexible/stretchable, photomechanical, and shape memory materials. Methods of depositing MEMS materials using additive manufacturing methods are also welcome. Manuscripts should focus on the smart material developed, but should also include information on the intended MEMS device or application.

It is my pleasure to invite you to submit an original manuscript to this Special Issue. Full communications and review papers are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2020)



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About the Journal

Message from the Editor-in-Chief

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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