Special Issue

Advances in Micro Electro Mechanical Systems: From MEMS to NEMS Devices

Message from the Guest Editors

In the area of MEMS, two main streamlines of research can be observed. The first streamline is theoretically oriented and devoted to the analysis and synthesis of multiphysics models of systems such as coupled thermal–elastic systems, electrostatic–elastic systems, magnetically actuated systems, and microfluidic systems. In contrast, the second is more focused on various application areas, such as the design and manufacturing of MEMS for biomedical systems with an emphasis on miniaturized bio-sensors and microdevices for tissue engineering. Specifically, in the area of actuators, there are many excitation techniques; the ones which are commonly used can be classified into three categories, according to the relevant physical principle:

Guest Editors

Prof. Dr. Slawomir Wiak

Prof. Dr. Paolo Di Barba

Prof. Dr. Lukasz Szymanski

Deadline for manuscript submissions

closed (30 June 2022)

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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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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 guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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