Special Issue

Applications of MEMS and QCM in Smart Sensor Systems

Message from the Guest Editors

Micro-Electro-Mechanical Systems (MEMS) and Quartz Crystal Microbalances (QCM) have transformed the landscape of sensing technologies. Their unique properties, such as miniaturization, high sensitivity, and low power consumption, make them indispensable in the design of smart sensor systems. As industries strive for smarter, more efficient solutions to monitor environmental, industrial, and biomedical parameters, MEMS and QCM technologies are at the forefront of these innovations. This Special Issue aims to compile cutting-edge research, reviews, and technological advancements related to the application of MEMS and QCM in the context of smart sensor systems. This Special Issue aims to gather pioneering research and reviews that highlight the advancements and applications of MEMS and QCM technologies in smart sensor systems and to provide a platform for researchers and practitioners to share their findings and innovations in the integration of MEMS and QCM with current sensing technologies; Additionally, we hope this Special Issue to stimulate discussions on the challenges and future perspectives of MEMS and QCM applications in various fields.

Guest Editors

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

Editor-in-Chief

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