

Special Issue

Smart Sensing, Monitoring, and Control in Industry 4.0

Message from the Guest Editors

In the emerging Industry 4.0, digitalization and intelligence are the two crucial enabling technologies. The digital revolution has radically changed traditional industrial processes, from new digital model-based engineering to smart factories. With the rapid development of next-generation information and communication technologies (ICT), the huge number of data generated in the industrial processes provide great potential in achieving improved decision-making in all the stages, such as design, manufacturing, operation and maintenance, remanufacturing, and recycling. With advanced sensing, data mining, and Artificial Intelligence (AI), especially deep learning, critical patterns and trends can be recognized or predicted, leading to accurate monitoring, control, and optimization of the processes. This Special Issue aims to cover the state of the art and advancements in smart sensing, monitoring, and control in industrial applications, together with emerging standards and research topics that would push forward the realization of Industry 4.0.

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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