

Special Issue

Big Data and Artificial Intelligence for Industry 4.0

Message from the Guest Editors

Industry 4.0 pushes towards manufacturing automation through the digitalization of industrial processes and the adoption of smart technology such as Internet of Things (IoT) devices. The enormous amount of generated data poses challenges concerning the collection and management of big data, but also presents opportunities, such as the extraction of knowledge from these data, which can drive decision-making and the continuous improvement of industrial operations and production chain processes. This Special Issue of *Electronics* aims to build a bridge between electronics and data analysis by presenting state-of-the-art advancements in the adoption of big data and artificial intelligence techniques to meet the requirements of Industry 4.0. The topics of interest include, but are not limited to, the following: Industry 4.0; industrial big data and AI; cyber-physical systems; smart factory; predictive maintenance; e-health; smart agriculture; industrial process monitoring and automation; digital transformation processes; data-driven application

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About the Journal

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.

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