Special Issue

Reliable Industry 4.0 Based on Machine Learning and IoT

Message from the Guest Editors

The fourth industrial revolution, known as Industry 4.0, can provide and integrate many advanced technologies for automation so as to contribute to the operational efficiency and effectiveness of production processes, particularly, the process of combining smart machines and systems. The key technologies of Industry 4.0 are cyber-physical systems, Internet of things (IoT), big data analytics, cloud computing, machine learning, artificial intelligence, visualization, virtual reality, and autonomous robots towards practical applications in many industrial areas. To enhance the reliability of Industry 4.0, researchers from many fields and industries have to work together applying the new technologies in practical applications to provide secure online monitoring and control. This special issue aims to to encourage scholars and researchers to present research achievements of state-of-the-art technologies with respect to reliable Industry 4.0 based on machine learning and IoT. Authors are encouraged to submit papers in any of the following potential topics or related areas of Industry 4.0.

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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.

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