



Big Data and Artificial Intelligence for Industry 4.0

Guest Editors:

Prof. Dr. Matteo Golfarelli

Department of Computer Science and Engineering, University of Bologna, 47522 Cesena (FC), Italy

Prof. Dr. Enrico Gallinucci

Department of Computer Science and Engineering, University of Bologna, 47522 Cesena (FC), Italy

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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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Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

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Electronics Editorial Office
MDPI, Grosspeteranlage 5
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