

Special Issue

Towards an Industrial Internet of Things (IIoT)

Message from the Guest Editors

Dear Colleague, Over the last few years, we have seen an enormous increase of the number of (wireless) sensors, which together make up the internet of things (IoT). The IIoT will revolutionize manufacturing by enabling the acquisition and accessibility of larger amounts of data, at much larger speeds and far more efficiently than before. This will in turn enable manufacturers to produce better products more efficiently and in a more sustainable fashion (by being more careful with resources). Furthermore, the resulting products, embedding IoT-nodes, will also become part of the IIoT; this will allow a more efficient use of the products, improving satisfaction and the products themselves. Finally, the IIoT will also change the way people work in industries: this aspect will also be considered in this Special Issue. This Special Issue invites all sorts of contributions related to the IIoT, including studies on smart (wireless) sensor networks, cloud-based data collection techniques, machine learning in the IIoT context, improved manufacturing through the IIoT, predictive maintenance, work conditions changes for the human workforce, etc.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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