



Internet of Things (IoT) Applications for Industry 4.0

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Message from the Guest Editors

The rise of new digital technologies, known as Industry 4.0 (I4.0), is a transformation that allows gathering and analyzing data across machines, enabling faster, more flexible, and more efficient processes to produce higher-quality goods and services at reduced costs.

I4.0 represents the fourth industrial revolution, and its genesis is due to the emergence of the Internet. With the fourth industrial revolution, Internet technologies aim at connecting all production means to enable their interaction in real time, thus providing communication among different players and connected objects thanks to technologies such as Cloud, Big Data Analytics, and the Internet of Things (IoT).

The Industry 4.0 framework has had a huge impact not only on manufacturing per se, with the emerging concept of the smart factory, but also on many other aspects of daily life. However, this emerging framework, which is driven by the Industry 4.0 revolution, brings not only advantages, but also great challenges. For this reason, specific solutions must be designed, in order to cope with the typical issues related to the IoT.





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Message from the Editor-in-Chief

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