



Emerging Paradigms and Architectures for Industry 4.0 Applications

Guest Editors:

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Deadline for manuscript
submissions:

closed (15 March 2021)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to report the latest advances in architectures, paradigms and applications in the ever-increasing complex ecosystem of Industry 4.0. Specific topics of interest include, but are not limited to:

- Challenges, visions and concepts for Industry 4.0;
- Novel architectures for the Industrial Internet of Things (IIoT);
- Cloud, fog, mist, edge and mobile edge computing architectures for industrial scenarios;
- Industrial Cyber-Physical Systems (ICPS);
- Advances in the application of Distributed Ledger Technologies (DLT) (e.g., Blockchain, IOTA) to industrial scenarios;
- Industrial Wireless Sensor Networks;
- Low-Power Wide-Area Network (LPWAN) technologies (e.g., LoRa, SigFox, NB-IoT) for Industry 4.0 applications;
- Localization and tracking technologies for Industry 4.0;
- Advanced sensors for Industry 4.0 applications;
- Human-machine interfaces and interactions in human-centric smart industrial systems;
- Advanced machine learning and artificial intelligence for Industry 4.0.



mdpi.com/si/28778

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Special Issue



an Open Access Journal by MDPI

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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