

Special Issue

Industrial Internet of Things and Smart Technologies in Industry 4.0/5.0: Advanced Monitoring and Automation Trends and Applications

Message from the Guest Editors

The rise and development of the Industry 4.0/5.0 paradigm and technologies related to the Internet of Things (IoT) have led to significant advances in all sectors. This Special Issue is primarily focused on the advancements and innovations in this context on topics such as automation, monitoring and supervision, smart technologies, and (I)IoT applications. The main topics of interest include, but are not limited to, the following:

- IoT and Industrial Internet of Things (IIoT);
- Low-cost, open-source, and IoT technologies for applications in automation;
- SCADA systems, real-time monitoring, and HMI/GUI for Industry 4.0/5.0;
- Middleware, architectures, fieldbuses, and communication protocols;
- Intelligent sensors;
- Digitalization, virtualization, and simulation of processes, and digital twins;
- Advanced sensors and wired/wireless sensor networks for Industry 4.0/5.0;
- Artificial intelligence, machine learning, and computational intelligence for Industry 4.0/5.0;
- Applications and use cases (smart factories, smart cities, etc.)

Guest Editors

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About the Journal

Message from the Editor-in-Chief

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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