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Industrial Internet-of-Things (IIoT) Technologies for Industrial Intelligence

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Deadline for manuscript submissions:
closed (30 April 2023)

Message from the Guest Editors

The evolving Internet of Things paradigm has brought about profound and long-lasting changes to the industrial landscape. The Industrial Internet of Things (IIoT) concept has emerged out of this paradigm, now further developing and maturing in its own right. Although the notion of IIoT is broad, it can be thought of as a systematic interconnection of sensors, instruments, communications and computing devices, as well as advanced analytics platforms in the industrial environment. These building blocks of the IIoT are flexible and scalable, and can be tailored to specific industry settings.

IIoT for industrial intelligence refers to the deployment of IoT building blocks in industry, coupled with data-driven innovation and artificial intelligence (AI), to provide real-time control actions, and/or to directly feed into knowledge and decision-making systems. In this way, modern IIoT seeks to unlock potential benefits, inter alia, mitigating downtime and risk, improving efficiencies and safety, enhancing sustainability and reliability, etc.

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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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