Cyber-Physical Systems in Industrial IoT

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Message from the Guest Editors

Dear Colleagues,

In general, a commonly accepted definition of cyber-physical systems (CPSs) refers to systems where software and hardware components are seamlessly integrated toward performing well-defined tasks.

CPSs are one of the core technologies of Industry 4.0. The integration of CPSs is essential in Industry 4.0 functioning. With CPSs, machines are able to communicate with each other, and decentralized control systems are able to optimize production. The integration of CPSs is leading to complexities emerging from the interactions among cyber systems and the uncertain dynamic behavior of physical systems.

This Special Issue will focus on (but is not limited to) the following topics:

- New computing architecture for CPSs in industrial IoT;

- New communication mechanisms for CPSs in industrial IoT;

- Advanced AI/ML models for CPSs in industrial IoT;

- Advanced networking among CPSs for industrial IoT;

- Applications of CPSs in industrial IoT.

Special Issue

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Message from the Editor-in-Chief

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