Sensing Technologies and Wireless Communications for Industrial IoT

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Message from the Guest Editors

Dear Colleagues,

Over the past few years, advances in wireless communications and signal processing have facilitated the development of novel technologies and methods, allowing for integrated sensing and communication in diverse scenarios. One such scenario where these wireless-based techniques are expected to be successful is the industrial IoT scenario, as the need for detailed and ubiquitous positioning, monitoring, control, and coordination between static and mobile production elements is paramount. The current Special Issue invites the submission of research that addresses and investigates new sensing methods, industrial integrated wireless control systems, technologies bridging the physical and virtual industrial worlds, or new cloud-based industrial application methods.

- Advanced integrated industrial sensing, wireless control, and monitoring systems;
- Wireless deployments and field trials in operational industrial scenarios;
- Performance evaluations, simulations, and measurements of wireless IoT systems;
- Novel sensing schemes and protocol design;
- Digital twins and integration of the physical world and virtual world in industrial settings.

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Special Issue

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Message from the Editor-in-Chief

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