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SPECIAL ISSUE ON

Intelligent Industrial IoT Integration with Cognitive Computing
<http://www.springer.com/engineering/signals/journal/11036>

Overview

In recent years, the widespread deployment of wireless sensor networks, industrial cloud, industrial robot, embedded computing and inexpensive sensors has facilitated industrial Internet of Things (Industrial IoT) technologies and fostered some emerging applications (e.g., product lifecycle management). Industrial IoT is the direct motivation and drive for the industrial upgrading. Supported by cognitive computing, which is one of the most important fundamental researches and key techniques for implementing intelligent manufacturing, Industrial IoT is significantly becoming smarter that more intelligent services and applications are emerging. Therefore, the services of an intelligent Industrial IoT integration with cognitive computing could be suggestive, prescriptive, or instructive in nature, and it could be more affective and influential by design choices to make a new class of problems computable.

Although IoT has emerged with a great potential to change our life especially with ubiquitous sensing and sensory data, cognitive IoT technologies will make it possible to understand what's happening in the world more deeply. Therefore, it is necessary to address the technical challenges and problems related to Industrial IoT on designing, building, and deploying novel cognitive computing, services and technologies, to enable intelligent Industrial IoT services and applications.

Topics

This special issue on "Intelligent Industrial IoT Integration with Cognitive Computing" has a wide scope. Topics include, but are not limited to, the following research scope:

- Intelligent Industrial IoT architecture and infrastructure
- Industrial IoT technology and applications
- Multi-modal fusion for Industrial IoT
- Contextual data management and mining platforms
- Cognitive computing, affective computing, machine learning for Industrial IoT
- Future Internet and network design for Industrial IoT
- Intelligent and interactive interface for Industrial IoT
- Privacy protected discovery and adaptation in Industrial IoT

Important Dates

- **Manuscript submission deadline:** June 1st, 2017
- Notification of acceptance: August 1st, 2017
- Submission of final revised paper: September 1st, 2017
- Publication of special issue: 3rd Quarter, 2017

Submission Procedure

Authors should follow the MONET Journal manuscript format at the journal site:

<http://www.springer.com/engineering/signals/journal/11036>. Manuscripts are submitted on line through <http://www.editorialmanager.com/mone/>. When submitting papers, authors should choose article type as "**SM 194 – Intelligent Industrial IoT Integration with Cognitive Computing (Industrial IoT 2017)**". A copy of the manuscript should also be emailed to the following email: yin.zhang.cn@ieee.org. The "subject field" of the email must contain "MONET IndustrialIoT 2017 Paper -".

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