IEEE INTERNET OF THINGS JOURNAL

A joint publication of

IEEE Sensors Council, IEEE Communications Society, IEEE Computer Society, and IEEE Signal Processing Society

CALL FOR PAPERS

IEEE Internet of Things Journal Special Issue on

Internet of Things for Smart & Sensing Systems: Issues, trends and applications

Supported by:

- IFAC TC 5.3 "Enterprise Integration and Networking" (http://www.ifac-tc53.org)
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The sensing enterprise is a digital business innovation concept making Internet-of-Things, service-oriented architectures, and advanced human-computer interactions converge to a more agile, flexible, and proactive management of unexpected events in today's global value networks. In essence, it concerns the adoption of future Internet technologies in virtual enterprises and their value networks. Translating the same concept to smart enterprises, and more generally to *smart systems* (smart manufacturing, smart cities, smart logistics, etc.), requires new capabilities by next-generation systems to perform sensing, modelling and interpretation of these signals from the real world so that they are more flexible and can be agilely reconfigured. Intuitively, a sensing system requires resources and machineries to be constantly monitored, configured and easily controlled by human operators. All these functions, and much more indeed, are now implemented by the so-called (Industrial) Internet-of-Things. The emergence of cloud-based technologies will also have a significant impact on the design and implementation of cyber-physical systems; using such novel technologies, collaborative engineering practises will increase globally which will enable a new generation of small-scale industrial organizations to function in an information-centric manner. Specific topics of interests include, but not limited to the following:

- Smart Sensing Enterprises
- Industrial IoT Applications for Logistics, Enterprise, Smart and Sensing Systems
- Advances and Trends on IoT for Smart and Sensing Systems
- Advances in Enterprise Sensing, Networking, Control, and Decision-Making
- Smart and Sensing Systems Interoperability
- Integration and Management of Smart and Sensing Systems

Important dates:

Submission deadline: **November 15th, 2017**	Second reviews rue/Notification: April 1st, 2018
1st review due: February 1st, 2018	Final manuscript due: **May 1st, 2018**
Revision due: March 1st, 2018	Publication Date: 2018

Submission

All original manuscripts or revisions to the IEEE IoT Journal must be submitted electronically through IEEE Manuscript Central, http://mc.manuscriptcentral.com/iot. Solicited original submissions must not be currently under consideration for publication in other venues. Author guidelines and submission information can be found at http://iot.ieee.org/journal.

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