Special Issue
Call for paper

"Challenges of Embedded Systems as it evolves into M2M, Internet-of-Things"

Semiconductor and the Internet have revolutionized and transformed our lives on how we interact with information, leading to the growth of information technology. Embedded computing devices of same type or in extension group of devices used in a same system can be termed as **Machine to Machine** (M2M) and very large number of interconnected embedded devices in the existing internet infrastructure form the **Internet of Things** (IoT). The interconnection of these embedded devices needs They all map out the scenarios in which the things around us – from machines in manufacturing to everyday objects – exchange and evaluate data automatically and create added value for humans. Since huge amounts of data need to be stored and interpreted in the process, machine communication goes hand in hand with developments like Cloud Computing and **Big Data Analytics**. This rapidly emerging field will touch every aspect of life in the near future. As M2M represents a bold new generation of systems that integrate computing and communication capabilities with the dynamics of physical and engineered systems, it has not been realized how the IoT is going to affect economy and social structure as vast major investments are being made worldwide in developing this technology. The physical world, however, is not entirely predictable. So we have a wide area of research open to explore and exploit the challenges and immense research opportunities in this IoT arena. At this time we feel ACM-TECS as a professional entity address this challenge by organizing a special on Evolution of Embedded Systems to M2M, Internet-of-Things in TECS. The scope of this track will give due consideration in all areas of research that facilitate collaborations between M2M, IoT and existing technologies. Topics of special interest include, but are not limited to, the following:

- Sensor networks to support sensing and actuation of M2M/IoT
- Networked control systems to support complex behavior of M2M/IoT
- Dependable computing and verification methods to support safety of IoT
- Cloud and distributed computing for scalability of M2M and IoT
- Machine learning and data mining to support Big Data Analytics for IoT
- Device to Device (D2D), Vehicle to Vehicle (V2V) scenarios in IoT environment
- Emerging technologies in M2M and IoT
- Experimental prototype and Applications of M2M and IoT

Note: If a submitted paper is recommended by the guest editors for "major revision", the paper will be put through the reviewing process when revised, but not guaranteed to be included in the special issue for which it was submitted. However, at the conclusion of the review process if the paper is accepted, it will then be included in a regular issue of the journal. This happens often due the time bounded nature of a special issue production process, and papers requiring multiple rounds of reviewing may not have a final decision within the stipulated time frame of the special issue.

Submission data	March 31th ,2015
Preliminary notification	June 1st , 2015
Final paper due	August 1st 2015
Publication tentative	4th Quarter of 2015

Please notice that the schedule review dates are approximate date and subject to change. We will kindly inform you about the review status as soon as decision was made. Questions regarding the disclosure of the review results should be addressed to Seungmin Rho.

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