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IEEE Transactions on Multi-Scale Computing Systems

Special Issue on Wearables, Implants, and Internet of Things

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TOPIC SUMMARY:

Recent years have seen an explosion of deeply embedded, smart, and highly connected computing devices in diverse form factors. In particular, wearable and implants technologies, and Internet of Things (IoT) have made significant forays into nearly all aspects of our life. With advances in technology, design of new and advanced sensors, pervasive connectivity, and the trend in business towards cloud-driven data-centric solutions, the future is projected to see an even higher proliferation of systems comprising of such devices that coordinate through cloud to solve complex, distributed tasks. Commensurate with computing capability, the applications have also scaled in complexity by several factors, e.g., from smart phones to smart cities. This special issue targets comprehensive coverage of research issues related to wearables, implants, and IoT. The topics of interest include, but are not limited to:

- Specialized sensor technologies, wearable sensor networks, on-body networks
- Adaptivity, personalization, an interoperability of wearables/implants
- Analytics and information processing in Wearables and IoT
- Data security, communication protocols, cloud, use and device security
- Interaction, coordination, and communication, grids and clouds of wearables/IoT
- Architecture and Tools for design, visualization, validation, and deployment

IMPORTANT DATES:

Open for submissions in ScholarOne Manuscripts:	March 1, 2015
Closed for submissions:	April 30, 2015
Results of first round of reviews:	June 16, 2015
Submission of revised manuscripts:	July 16, 2015
Results of second round of reviews:	Aug 16, 2015
Publication materials due:	September 1, 2015

SUBMISSION GUIDELINES:

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