CALL FOR PAPERS

Workshop on Cloud-assisted Smart Cyber-Physical Systems (C-SmartCPS)

jointly held with

The 13th International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP-2013)

and

The 10th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC-2013)

December 18-21, 2013

Sorrento Peninsula, Italy

Proceedings to be published by Springer in the LNCS series

Sorrento, Italy

The advances of body area networks, mobile computing, wireless networking, multi-agent systems, data mining, and cloud computing offer tremendous opportunities in providing newer, better and smarter distributed cyber-physical systems (CPS). The main objective of this workshop is to provide a medium for researchers and practitioners to present their research findings related to the synergy among Cloud computing and cutting-edge CPS-enabling technologies such as body area networks, wireless sensor and actuator networks, multi-agent systems, machine-to-machine (M2M) communication, data mining, with the aim of developing ubiquitous, cloud-assisted smart cyber-physical distributed systems.

TOPICS OF INTEREST

• Communication, information and software architectures
• Integration techniques between clouds and CPS
• A cloud of clouds for CPS
• Massively large-scale CPS
• Cloud-assisted data management, mining and processing for CPS
• Cloud-assisted decision support systems with CPS
• Cloud-CPS infrastructures for data acquisition
• Pervasive services for mobile cloud users
• Autonomic CPS
• Smart CPS
• Intelligence and optimization between clouds and CPS
• Data Mining for data collected/produced by CPS
• Heterogeneity of in/on-body and ambient sensors/actuators
• Nanoscale smart sensors and communication in/on/around human bodies
• Applications and practical experience in Smart Cities

IMPORTANT DATES

Abstract submission deadline (mandatory): September 1, 2013

Paper submission deadline: September 15, 2013

Notification deadline: September 30, 2013

Camera ready deadline: October 15, 2013

PAPER SUBMISSION

All papers must be submitted electronically and in PDF format. The material presented should be original and not published or under submission elsewhere. Authors should submit full papers of up to 8 pages, following strictly the Springer LNCS Proceedings Manuscript style (http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0). Oversized papers will be automatically rejected by the Workshop chairs. At least one of the authors of each accepted paper must register early to attend the conference, in order for the paper to appear in the conference proceedings.

PUBLICATION

All accepted papers will be published by Springer in the LNCS series. Selected papers will be considered for publication in: Journal/Springer Book Series (TBD)

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