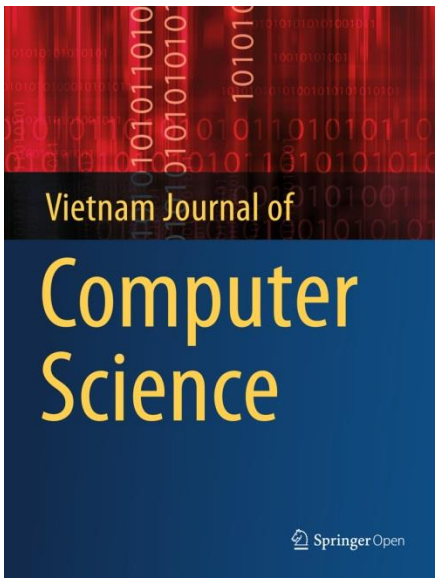

Vietnam Journal of Computer Science

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Special issue on

IoT Systems, Services and Analytics for Developing Worlds

Introduction

Developing worlds today face several problems w.r.t. resources and environment management, transportation management, healthcare, to name just a few, that require novel, efficient and cost-effective solutions. In parallel, advanced in mobile devices, Internet of Things (IoT) and cloud services have introduced viable technologies that enable the development of novel solutions solving these problems in developing worlds. Smart devices and their capacity easily connect to the Internet and data centers for information gathering, sharing and analytics that allows us to monitor, predict, control and manage several aspects of physical worlds. They provide powerful tools to enable us to solve critical problems in developing worlds, such as pollution of water/land/air, healthcare, food safety, city traffic, and wastewater management. However, due to unreliable communications, lack of computation resources, cost effective, easy to use, light integration and very large-scale, apply the IoT solutions in those countries to be more difficult and usually have different characteristics.

This special issue will focus on novel systems, services and analytics centered around IoT and cloud technologies for developing worlds. It follows the 2016 International Symposium on IoT Systems, Services and Analytics for Developing Worlds (ISSA-DW2016), 4-5 Aug 2016, Hanoi, Vietnam. Authors of accepted extended abstracts and presentations at ISSA-DW2016 are invited to submit their full papers for this special issue. Other prospective authors are also encouraged to submit their novel solutions for developing worlds to this special issue.

Topics

- IoT systems and infrastructures design for developing worlds
- Design, monitoring and testing techniques for IoT systems in developing worlds.
- Smart e-service models and techniques for developing worlds due to unwell-developed IT infrastructures.
- IoT and data Analytics in developing worlds (considering highly unstable environments and cost issues).
- Cross issues in IoT services and analytics, such as security, privacy, legal, data collection and sharing.
- IoT applications in smart cities, smart agriculture, transportation, and healthcare in developing worlds.
- IoT case studies and deployment experiences in developing worlds.

Important Dates

- Full paper submission: 30 September 2016
- First Notification: 30 November, 2016 (accepted, minor or major accepted, rejected)
- Second version: 30 December, 2016
- Final Notification: 31 January, 2017 (final decision)
- Publication: Feb-Mar, 2017

Guest Editors

- Hong-Linh Truong (main contact), TU Wien, Austria – Email: truong@dsg.tuwien.ac.at
- Aditya Ghose, University of Wollongong, Australia – Email: aditya@uow.edu.au
- Nanjangud Narendra, Ericsson Research, Bangalore, India – Email: nanjangud.narendra@ericsson.com

Paper Submission

Papers submitted to this special issue for possible publication must be original and must not be under consideration for publication in any other journal or conference. Previously published or accepted conference papers must contain at least 30% new material to be considered for the special issue.

All papers are to be submitted by referring to http://www.springer.com/40595. At the beginning of the submission process, under "Article Type", please select the appropriate special issue. All manuscripts must be prepared according to the journal publication guidelines which can also be found on the website provided above. Papers will be reviewed following the journal's standard review process.

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