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Special Issue on Clouds and Service Oriented Architectures

As emerging technologies, Clouds and Service-Oriented Architectures (SOAs) attract attention worldwide, ranging from casual Internet users to IT giants (e.g. Microsoft and Google). At the same time, the innovations of Clouds and SOAs also offer many interesting avenues of research for scientific communities. Recent advances in Cloud and SOAs, including computational power, storage, and networking, and infrastructure innovations, are providing exciting opportunities to make significant progress in understanding and solving complex real-world challenges. Such challenges typically require a system-level approach that models a complex system at different levels of abstraction, helps to develop sound architectures for addressing separate system requirements and concerns, and integrates diverse sources of knowledge on the system’s components and their interactions.

The purpose of the special issue is to collate efforts and achievements on the research of Clouds and SOAs. This special issue will focus on fundamental issues on research and development of Clouds and SOAs as well as new challenges in modelling and simulation of novel Clouds and SOAs. The relevant topics include, but not limited to:

- Cloud Computing
- Service-Oriented Computing
- Grid Computing
- Service-Oriented System Engineering
- System Engineering for Cloud Computing
- Web Services
- Peer-to-Peer Computing
- Service Composition and Integration
- Real-time systems
- Dependable Cloud Systems
- Industrial Case Study

Important Dates
- Manuscript Due: 1st November 2010
- Notifications to Authors: 1st March 2011
- Revised Manuscript Submission: 1st April 2011
- Final Decision: 15th May 2011
- Camera Ready Papers: 15th June 2011
- Date of Publication: 1st quarter of 2012

Paper Submission
Authors should follow the manuscript format of Future Generation Computer Systems at http://www.elsevier.com/wps/find/journaldescription.cws_home/505611/authorinstructions. Potential authors are encouraged to submit original and unpublished work through the
submission system at the journal website: http://ees.elsevier.com/fgcs/. Please choose the Article Type “SS: Clouds and SOAs”.

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