CALL FOR PAPERS

A Special Issue on Foundations of Reuse
Information Systems Frontiers

Contemporary software development is facing new challenges due to mobility and IT ubiquity. Innovative approaches, based on reuse, are needed to avoid the redesign and implementation of software solutions. They call for reusable information through reusable components, patterns, designs, tests, etc. They play a pivotal role in the capture, representation, maintenance, integration, validation, and extrapolation of information; and, apply both information and knowledge for enhancing decision-making in various application domains. Special attention is given to non-functional properties, such as performance or security, involving intensive reuse. Formal methods are needed to provide a foundation upon which reuse and integration may be built. The special issue on Foundations of Reuse calls for scientific contributions as well as those detailing practical and/or industrial experience in one or more of the following areas:

- Reuse in dimensionality reduction
- Reuse in domain transference and heuristic problem solving
- Reuse in knowledge discovery
- Reusable component-based software
- Reuse in VLSI hardware design
- Reuse in Systems of Systems
- Reuse in cyber security
- Theory of information reuse and integration

About Information Systems Frontiers

Information Systems Frontiers (ISF) is a high-ranking, international scholarly journal designed to bridge the contributing academic disciplines and provide a link between academia and industry. The central objective of ISF is to publish original, well-written, self-contained contributions that elucidate novel research and innovation in IS/IT, which provide for fundamental advancements in the field.

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Submission Instructions
Manuscripts must be submitted to the ISF-Springer online submission system at: http://www.editorialmanager.com/isfi/. Authors should select SI: IRI, from the “Choose Article Type” pull-down menu for submission. Paper submissions must conform to the format guidelines of Information Systems Frontiers available at: http://www.springer.com/business/business+information+systems/journal/10796. Submitted papers will be subjected to a rigorous and constructive review. They must be original and must not have been previously published or be under consideration for publication elsewhere. In case a paper has already been published at a conference, it should include at least 30 percent new material for publication in this special issue. Authors must provide previously published material relevant to their submissions; and, detail all significant augmentations.

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Submission deadline: 31 December 2015
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Final paper due: 15 May 2016

Biography
Prof. Thouraya Bouabana Tebibel received a Ph.D. in Computer Science from USTHB University (Algeria) in collaboration with Pierre & Marie Curie University (France) in 2007. She has been an engineer/researcher for eight years and is now a full professor of computer science at Ecole Nationale Supérieure d'Informatique in Algeria. She was the Director of the Doctoral School in Sciences and Technologies of Information and Communication for four years and is now a director of research at Laboratoire de Communication des Systèmes Informatiques. She has over 80 refereed publications and a book edited by Editions Universitaires Européennes. She was co-editor (with S. H. Rubin) of two Springer books in the Advances in Intelligent Systems and Computing series. She has successfully conducted numerous research projects and supervised 30 BS, 17 MS, and 4 PhD theses.

Dr. Stuart H. Rubin is a senior scientist at the Space and Naval Warfare Systems Center (SSC) in San Diego, code 71730 (Advanced Concepts & Applied Research). He was previously a tenured associate professor of computer science at Central Michigan University (CMU). He received a Ph.D. in Computer and Information Science from
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