Editorial Preface

Special Issue on Computer Science's Complex Systems and Their Applications:
Comprised of Selected Papers from the ICCSA'2016 Conference

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We are happy that the first International Conference on Computer Science's Complex Systems results on the publication of four selected papers in this special issue of 'Journal of Information Technology Research (JITR)'. The conference aimed at gathering different ideas related to complex systems and making the variety of works meet at a single point which is research of solutions. Like any reputable conference, a first double blind review for selecting submitted papers has resulted on a first list of papers selection. As a result, many works have been presented, where each of which is interested in a given problematic. For the selection of the best papers, another committee has been established constituted of the invited keynote speakers and some of the review committee members. The selected papers, which were initially ten, have been reviewed and extended by their authors in order to undergo another review process. The latter process results in the selection of only four papers which are published in this issue.

This issue comprises four papers. The authors (Ahlem Nasri, and Abdelhabib Bourouis) of the paper untitled "A Model Driven Engineering Approach to Reduce Large Queuing Networks" deal with the issue of complex systems modeling. They propose an approach for reducing large models of queuing networks into smaller ones to reduce the analysis and the simulation times. On another hand, the authors (Nacera Hammid, Lynda Haddadi, and Farida Bouarab-Dahmani) of the paper untitled "Collaborative MOOC Content Design and Automatic Assessment Based on ODALA Approach" are interested by the e-learning domain and specifically in Massive Open Online Course (MOOC). They propose an instructional design for a kind of MOOC platforms where mainly the use of disciplines specifications and automated evaluation of MOOC learners are possible. Their proposition is based on principles and on the disciplines' knowledge capitalization. From her side, Farida Bouarab-Dahmani, in her paper untitled "Academic Virtual Meetings Management with a Synthesis Builder" proposes a tool that she calls "asynchronous virtual meeting (AVM)" and claims that it can be integrated to virtual campuses, university web sites or e-learning platforms. The author certifies that the developed prototype was tested with a group of participants and the results were interesting. Finally, the authors (Zakaria Laboudi, Salim Chikhi, and Saliha Lakhdari) of the paper untitled "Scalability Property in Solving the Density Classification Task" propose the analysis of some existing solutions for the Density classification task according to initial configurations size variations.

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