Recent Advancements in Big Data Technologies and Applications in Computing, IoT and Computer Engineering Technology

Call for Papers

Journal of Universal Computer Science

We invite submissions of original manuscripts in the area of Recent Advancements in Computing, IoT and Computer Engineering Technology within the theme of "*big data technologies and applications*".

Aims and Scope

In the era of "*big data*", analytics are becoming a competitive necessity and a key for many applications and development, such as mobile applications, web application of social media, Internet of Things (IoT), computing, and computer engineering. While the challenges of analyzing such big data are most often discussed – growing in volume, velocity and variety of data that are also placing increased demands in industry. Powered by the integration of new technologies/applications in computing, IoT and computer engineering, big data technologies provide fundamentally new insights and opportunities for businesses, industries and academia. Therefore, research in computational technologies, platforms and tools offers adaptive mechanisms that enable the understanding of data which will provide more efficient and effective solutions to real/industrial problems. It is expected that such a research will help in the development of policies, strategies, methodologies as well as the shaping of organizational behaviors towards the adoption of big data technologies.

This special issue will provide a systematic overview and state-of-the-art research in Universal Computing, IoT and Computer Engineering Technology, with special focus on big data technologies, and will outline new developments in fundamental, approaches, methodologies, software systems, and applications in these areas. Submissions should consist of novel ideas, original results, theoretical and applied research in following topics, but not limited to:

- Big Data Modelling
- Big Data for Industries (government, healthcare, etc.)

- Data Mining and Machine Learning
- Data Analytics
- Business Intelligence and Business Analytics
- Distributed Systems, Grid Computing and Services Computing
- Scientific Computing and Applications
- Intelligent Systems
- Computational Intelligence
- Networking and Internet of Things
- Computer and Information Science
- Computer-Aided Design and Manufacturing
- Computer Graphics, Animation, and Virtual Reality
- Computers in Education and Learning Technologies
- Computer Security and Privacy
- Computer Vision and Pattern Recognition

Important Dates

- Submission of papers: 30 December, 2017
- Notification of review results: 31 March, 2018
- Submission of revised papers: 31 May, 2018
- Notification of final review results: 30 June, 2018

Submission and Evaluation Procedure

J.UCS - The Journal of Universal Computer Science - is a high-quality electronic publication that deals with all aspects of computer science. J.UCS has been appearing monthly since 1995 and is thus one of the oldest electronic journals with uninterrupted publication since its foundation. The impact factor of J.UCS is 0.546, the 5-year impact factor 0.684 (2015).

This special issue accepts manuscripts written in English and in PDF format. Illustrations and tables must be provided as integrated parts of the manuscript. The manuscript should be within 20 pages and follow the JUCS's guidelines at

http://www.jucs.org/ujs/jucs/info/submissions/style_guide.html.

The special issue accepts manuscripts from both open calls and recommendation from two relevant international conferences: The International Conference on Recent Advancements in Computing, IoT and Computer Engineering Technology - CICET 2017 (http://cicet17.datics.net) and International Conference on Big Data Analytics and Business Intelligence - ICBDBI2017 (http://www.xjtlu.edu.cn/en/icbdbi). Excellent papers from the two conferences will be recommended to be extended at least 40% for the Special Issue, and the title of the extended version must clearly and unmistakably differ from the title of the article presented at the conferences. For more details about the paper submission to the special issue, please also refer to

According to the main subjects of the paper, at least 3 reviewers with the appropriate expertise will be assigned. Please submit your original and proof-read papers to info@datics.org, not later than 30 December, 2017.

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