
Concurrency and Computation: Practice and Experience, Wiley

Cloud, IoT (Internet of Things) and big data have not only become the fundamental technologies and platforms in computing and network communication but they have greater potentials in a wide range of other areas such as business, finance, transportation, healthcare, social media, and engineering among others. Cloud provides a large pool of compute and storage resources and enables a transparent access to such resources through the Internet. IoT is used to connect physical devices through the Internet that can generate large volume of (big) data. For instance, IoT can connect most modern devices such as smart phones, smart TVs, traffic and weather sensors, and other smart digital devices that generate large volume of the data. Thus cloud, IoT and big data can be used together to offer new and exciting services in the aforementioned areas.

This special issue aims to foster the dissemination of high quality research with new ideas, approaches, theories and practice to solve the challenging issues in the design and development of new platforms and application areas related to the convergence of cloud, IoT and big data. Original research articles are solicited which include (but not limited to), the following topics:

- Design and development of new models and architectures
- Analysis and evaluation of security, privacy and trust
- Performance modelling and evaluation
- Reliability and failure resilience
- Novel network communication systems and protocols
- Data mining and analytics
- Advanced and emerging applications

Submission and Review Procedure:

Papers submitted to this special issue must be original and must not be under consideration for publication in any other journal, conference, or workshop.

The special issue will solicit papers through open call for papers. In addition, authors of selected papers from the following conferences will be invited to submit extended versions of the papers, but they must contain significant amount of new material such as new experiments, results, and related work.


All papers submitted to the special issue will be reviewed by multiple reviewers. EiC(s) of the journal will make final decision on the acceptance of the papers.
Important dates:

- Submission deadline: 31 Jan 2020
- First round of review: 31 Mar 2020
- Submission of revision: 30 Apr 2020
- Decision of acceptance: 15 Jun 2020

Guest Editors:

The special issue will be edited by the following guest editors. Guest editors have extensive experience of research in the areas related to the theme of the special issues. They have edited a number of special issues for various international journals. They have also been involved in the editorial board of international journals and serve on the committees of international conferences.

Prof. Irfan Awan,
Department of Computer Science
University of Bradford
Bradford, BD7 1DP, UK
Email: i.u.awan@bradford.ac.uk

Dr. Muhammad Younas,
School of Engineering, Computing and Mathematics
Oxford Brookes University,
Oxford, OX33 1HX, UK
Email: m.younas@brookes.ac.uk

Prof. Salima Benbernou,
Laboratory of Informatics Paris Descartes (LIPADE),
Université Paris Descartes, France
Email: salima.benbernou@parisdescartes.fr