

## **5<sup>th</sup> International Symposium on Real-time Data Processing for Cloud Computing (RTDPCC 2019)**

In conjunction with the 16<sup>th</sup> IEEE International Conference on Advanced and Trusted Computing (ATC 2019)

<http://www.smart-world.org/2019/atc/>  
Leicester, UK, 19-23 August, 2019

### **Scope:**

With the development of Internet of Things (IoT), various large-scale real-time data processing applications for handling real-time sensor data are becoming one of the important applications in Cloud Computing. The academia, the industry and even the government institutions have already begun to pay close attention to how to efficiently process large amount of sensor data in real-time using Cloud Computing technology.

Although Cloud Computing technology has attracted much attention with high-performance, there are strong needs for improving data processing efficiency of large-scale real-time data. This symposium will provide a forum to discuss fundamental issues on research and development of real-time data processing for Cloud Computing as well as challenges in design and implementation of novel real-time data processing algorithms, architectures and systems. The relevant topics include, but not limited to:

- Real-time data processing algorithms
- Real-time data processing architectures and systems
- Using FPGA, GPU, ASIC technologies for high performance data analytics
- Design and implementation of Internet of Things related applications
- Data collection, analytics, security and management
- Scheduling for distributed systems
- Network techniques for real-time data processing
- Mining sensor data collected from large-scale smartphone sensing deployments
- Big data analytics in large sensor networks
- Sensor cloud systems for remote and real-time monitoring
- Real-time data processing applications

### **Organisation:**

#### **General Chair:**

- Xiaojun Zhai, University of Essex, UK
- Faycal Bensaali, Qatar University, Qatar
- Lu Liu, University of Derby, UK

#### **Programme Chair:**

- Yongjun Zheng, University of Derby, UK
- John Panneerselvam, University of Derby, UK

#### **Technical Program Committee:**

- Tanya Vladimirova, University of Leicester, UK,
- Kofi Appiah, Nottingham Trent University, UK,
- Klaus D McDonald-Maier, University of Essex, UK,

- Abbes Amira, Qatar University, Qatar
- Hamza Baali, Hamad Bin Khalifa University, Qatar
- Shoaib Ehsan, University of Essex, UK
- Yanghong Tan, Hunan University, China
- Bin Ye, Queens University of Belfast, UK,
- Xingzhen Bai, Shandong University of Science and Technology, China
- James Hardy, University of Derby, UK
- Bo Yuan, Tongji University, China
- Muhammad Fayyaz, Satellite Research & Development Centre Lahore, Pakistan
- Paul Comerford, Information Commissioner's Office, UK
- Zhifeng Zhong, Hubei University, China
- Muhammad Ajma, University of Derby, UK

### **Important Dates:**

Paper Submission Deadline:	19 April, 2019
Authors Notification:	4 May, 2019
Camera-Ready Paper Due:	19 May 2019
Conference Date:	19-23 August 2019

### **Submission Guidelines:**

Please submit your paper via EDAS system at <https://edas.info/N25882>. A submission is limited to 6 pages for a special session paper. Format is IEEE conference paper, double column, in Portable Document Format (.pdf). A submission can have at most 2 additional pages, with a page overlength charge, if the paper is accepted. Accepted conference papers will be published by IEEE CPS (IEEE-DL and EI indexed). At least one author of each accepted paper is required to register and present their work at the conference; otherwise the paper will not be included in the proceedings. Best Paper Awards will be presented to high quality papers. Selected papers will be recommended to special issues. More details can be found via <http://www.smart-world.org/2019/atc/>.

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[https://www.ieee.org/conferences\\_events/conferences/publishing/templates.html](https://www.ieee.org/conferences_events/conferences/publishing/templates.html)

**Symposium contact:** Please email enquiries to Dr. Xiaojun Zhai ([xzhai@essex.ac.uk](mailto:xzhai@essex.ac.uk))

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