

# **SPECIAL ISSUE ON 'ACCELERATOR VIRTUALIZATION'**

## **IN CONCURRENCY AND COMPUTATION, PRACTICE AND EXPERIENCE JOURNAL**

### **Scope**

The call is open to:

- All contributions, including technically sound research that produced negative results, and
- Extended version of relevant papers from the 1st International Workshop on Next Generation Clouds (NextGenClouds 2018), co-located with the 47th International Conference on Parallel Processing (ICPP 2018), 13-16 August, 2018, Eugene, OR, USA.

*Prospective authors are encouraged to express their interest to the Guest Editors.*

### **Topics of Interest (but not limited to):**

- Virtualization of FPGAs, GPUs or other accelerators
- Use of accelerators in virtual machines
- Quantum computing: offloading computation to accelerators or sharing accelerators among computers
- Resource management and scheduling for accelerator virtualization in heterogeneous clusters
- Communication methods for accelerator virtualization
- Energy-aware accelerator virtualization techniques
- Application-specific cluster and datacenter accelerator virtualization
- Software cluster-level virtualization for consolidation purposes
- Techniques for aggregation of virtual accelerators
- Virtualization techniques and strategies for upcoming Fog/Edge computing and Internet of Things IoT systems

### **Instructions for Authors**

- Please submit to Manuscript Central as ACCVI2018 special issue.
- Submissions should be prepared for publication according to the journal submission guidelines.
- We recommend using the Latex template provided by Wiley.
- Submitted manuscripts may not exceed 25 pages using the format in the above template.
- The submitted papers must have at least 50% different material beyond any other previously published work.

## **GUEST EDITORS**

Carlos Reaño  
Queen's University Belfast, UK  
[c.reano@qub.ac.uk](mailto:c.reano@qub.ac.uk)

Blesson Varghese  
Queen's University Belfast, UK  
[b.varghese@qub.ac.uk](mailto:b.varghese@qub.ac.uk)

Federico Silla  
Universitat Politècnica de  
Valencia, Spain  
[fsilla@disca.upv.es](mailto:fsilla@disca.upv.es)

## **IMPORTANT DATES**

Submission  
2 Dec, 2018 ~~29-Oct, 2018~~

Notification  
21 Jan, 2019 ~~17-Dec, 2018~~

Revision Due  
25 Feb, 2019 ~~21-Jan, 2019~~

Final decision  
25 Mar, 2019 ~~25-Feb, 2019~~

Camera-ready Paper Due  
8 Apr, 2019 ~~12-Mar, 2019~~

Electronic Publication  
Four months after all final  
papers submitted