

Special Issue on Contemporary High Performance Computing and Simulation: Systems, Algorithms and Applications

Concurrency and Computation: Practice & Experience
Editor-in-Chief: *Geoffrey Fox*

Call for Papers

Purpose and Description

The organizers of the 2013 International Conference on High Performance Computing and Simulation are pleased to announce a special journal issue that will be published in Wiley's *Concurrency and Computation: Practice & Experience* journal (<http://www.cc-pe.net/journalinfo/>). The special issue will include articles that address, explore and exchange information on the state-of-the-art in high performance and large scale computing systems, their use in modeling and simulation, their design and use, and their impact. Participation is extended to researchers, designers, educators and interested parties in all related disciplines and specialties who presented at HPCS 2013 in Helsinki, Finland, July 1 – July 5, 2013.

Interested authors should send a one-page abstract with title, authors, affiliations, emails and contact information, and a statement of their intent to submit an extended version of their HPCS 2013 paper to this special issue by the due date. The one page should be sent as an email attachment to the Special Issue Guest Editors by **October 07, 2013**. Guest Editors replies will be sent by **October 21, 2013**.

Topics

Areas of interest for this special issue include the following major subjects (more details can be found at <http://hpcs2013.cisedu.info/>):

- Architectures and Systems
- Algorithms
- Software and Middleware in HPC Systems
- Applications Oriented High Performance

Instructions for the Special Issue of the 2013 International Conference High Performance Computing and Simulation (HPCS2013)

- This special issue is mainly by invitation to selected papers on topics related to high performance computing and simulation from the 2013 International Conference on High Performance Computing and Simulation (HPCS 2013), which was held in Helsinki, Finland, July 1 – July 5, 2013. Other contributions are also welcomed on case by case basis.
- The editors of the special issue are Giovanni Aloisio, Mohamed Bakhouya, Sandro Fiore, and Waleed W. Smari.
- Please submit your full paper to **Manuscript Central** as HPCS 2013 Special Issue by **December 20, 2013**.
- First Round Notification of Acceptance and Reviewer comments will be sent by **March 03, 2014**.
- Revised Camera-ready Papers for Round 2 are due **April 01, 2014**.
- Second Round Notification of Acceptance and Reviewer comments will be sent by **June 13, 2014**.
- Revised Camera-ready Papers for Round 3 are due **July 7, 2014**.
- Last Round Notification of Acceptance and Reviewer comments will be sent by **August 11, 2014**.
- Accepted papers are expected to appear in the 4th Quarter, 2014 (Tentative).

- The submitted papers must have at least **30%** new material beyond the conference original papers or any other previously published work.
- The submitted papers must be original, not published anywhere else nor under any simultaneous consideration in any other venue.
- There is about 25 page max length limit (12 point single space, inclusive of figures and tables).
- Wiley has Latex templates but no special templates for Word. Most papers are submitted in Word. Either Latex or Word will be accepted.

(* Dates are subject to change if necessary but will be adhered to as much as possible.)

Selection and Evaluation Criteria

- Significance to the readership of the Journal
- Relevance to the special issue
- Originality of idea, technical contribution, and significance of the presented results
- Quality, clarity, and readability of the written text
- Quality of references and related work
- Quality and significance of research hypothesis, assertions, and conclusions

Guest Editors

Giovanni Aloisio

University of Salento and Euro Mediterranean Center for Climate Change (CMCC)

Lecce, Italy

Phone: +39 0832 297 221

Fax: +39 0832 297 304

Email: giovanni.aloisio@unisalento.it

Mohamed Bakhouya

School of Engineering, Aalto University, Helsinki, Finland

Phone: + 358 4 17 08 56 26

Fax: +358

Email: bakhouya@gmail.com

Sandro Fiore

University of Salento and Euro Mediterranean Center for Climate Change (CMCC)

Lecce, Italy

Phone: +39 0832 297 371

Fax: +39 0832 298 173

Email: sandro.fiore@unisalento.it

Waleed W. Smari

Ball Aerospace and Technologies Corp.

Dayton, Ohio, USA

Phone: +1 (937) 681-0098

Fax: +1 (937) 255-4511

Email: Smari@arys.org