

## Call for Contributions

**Inform the Chair:** with the Title of your Contribution

**Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=INFOCOMP+2017+Special>

Please select Track Preference as **PERMAHPC**

### Special track

## PERMAHPC: Performance Measurements for Applications in HPC

### Chair and Coordinator

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along with

**INFOCOMP 2017, June 25 - 29, 2017- Venice, Italy**

The Seventh International Conference on Advanced Communications and Computation

<http://www.iaria.org/conferences2017/INFOCOMP17.html>

In many scientific disciplines, High Performance Computing (HPC) has become a necessary and standard research tool and additional disciplines are discovering HPC for their needs. Different architectures and the complexity of the systems require deep understanding of the underlying hardware and a perfectly fit application. For the latter goal, performance measurement tools are essential.

New programming paradigms and languages as well as the rapid hardware development call for an ongoing development in the field of performance measurement tools as well – adapting to new communication routines, new programming interfaces and new hardware possibilities. At the same time, user-friendliness and usability are of immense importance.

### Topics include, but not limited to:

- Performance measurements for communication routines
- Interfaces for performance measurement tools
- Adaptation of performance measurement tools to new architectures and APIs
- Application profiling tools and results
- Application benchmarking tools and results
- Application I/O performance measurements

### Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: ~~March 5~~ **May 17**
- Notification with comments for camera-ready: ~~April 5~~ **May 24**
- Registration: ~~April 20~~ **May 31**
- Camera ready: ~~May 12~~ **May 31**

## **Contribution Types**

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Presentations: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Demos: two pages [posted on [www.iaia.org](http://www.iaia.org)]

## **Paper Format**

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

## **Publications**

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

## **Paper Submission**

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=INFOCOMP+2017+Special>

Please select Main Topic as **PERMAHPC**

## **Registration**

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaia.org/registration.html>

## **Contact**

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