

## 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 **COPI**

Special track

### **COPI: Common Grounds for Parallel Interfaces in HPC and Data Science**

#### **Chair and Coordinator**

Dr. Christian Simmendinger, T-Systems SfR, Germany

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#### **Co-Chair**

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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>

While Data Science and High Performance Computing (HPC) are rapidly converging in terms of resource and hardware requirements, the correspondingly used parallel interfaces remain disjoint.

As both disciplines will eventually make use of similar hardware, a universally accepted low-level interface for node-local resource management will be required. Similarly inter-node communication will require a common set of low-level functionality which can be used across both domains.

This track aims at establishing common grounds between Data Science and HPC in terms of the low-level interfaces upon which the actual domain-specific APIs are being built.

#### **Topics include, but not limited to:**

- Node local Resource Management for HPC and Data Science
- Scalable Data Analytics (e.g., Graph Traversal, Clustering) on HPC architectures
- Scalable Machine Learning (e.g., Deep Learning, SVM) on HPC architectures

#### **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.aria.org](http://www.aria.org)]
- Presentations: slide only [slide-deck posted on [www.aria.org](http://www.aria.org)]
- Demos: two pages [posted on [www.aria.org](http://www.aria.org)]

### **Paper Format**

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

### **Publications**

- Extended versions of selected papers will be published in IARIA Journals: <http://www.ariajournals.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.ariasubmit.org/conferences/submit/newcontribution.php?event=INFOCOMP+2017+Special>

Please select Main Topic as **COPI**

### **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.aria.org/registration.html>

### **Contact**

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