

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 **PAROPTT**

Special track

PAROPTT: Parallel Algorithms and Optimizations for Sparse Tensor Decomposition

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>

With the explosion of big data, finding fast and scalable solutions for mining and analyzing large amounts of data is becoming increasingly important. In this regard, tensor decomposition has recently received much attention due to its inherently multi-dimension nature. However, the sparseness of real world data makes decomposing tensors slow and memory-bound, and this problem is further exacerbated by its dimensionality.

This workshop will present research into new and improved methods for tensor decomposition for both shared-memory and distributed systems, as well as their application for analyzing real data. We hope to provide a vibrant forum for exchanging ideas, methodologies, and insights into more efficient computation solutions for tensor decomposition.

Topics include, but not limited to:

- Parallel algorithms
- Optimization techniques
- Performance modeling and algorithm analysis
- Libraries and primitives
- Application of tensor decomposition in data analysis

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]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on 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 **PAROPTT**

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>

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