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 Main topic as **LSEEDCC**

<p align="center">Special track</p>

<h1 align="center">LSEEDCC: Large Scale Energy Efficient Data Center Concepts</h1>

<p align="center">Chair and Coordinator
Isabel Schwerdtfeger, IBM Deutschland GmbH – Hamburg, Germany
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<p align="center">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</p>

For large scale High Performance Computing (HPC), those are leading into the next era of Exascale systems need to adhere special requirements for either the on-site or private cloud hosted data centers for special energy efficiency concepts. This special track shall provide an overview of new possibilities and risks of these energy efficient aware solutions for the on premise or remote located data center facilities for HPC.

As in Europe high power prices apply, there is a challenge for the European organizations and businesses to use either smart powered and cooled data centers, i.e., up in the Nordics of Europe, or special concepts implied either in the hardware itself or the local data center to be inbuilt.

This track shall show concepts of data centers that use 100% renewable energy sources and provide low costs concepts for power and cooling of large HPC systems.

New datacenter concepts and locations cover the extensive capacity requirements of HPC of the needed IT Resources energy- and cost-efficient already today. But, the use of it seems for private companies today as too ambitious to pursue.

Topics include, but not limited to:

- Energy Efficient Data Center Concepts
- Energy Efficient solution/ product development of HPC vendors
- Co-Location concepts for efficient power and cooling access from data centers in the Nordics in Europe
- Energy requirements of an (pre-) Exascale HPC system
- Possibilities and risks of remote HPC systems
- Change of mind for European Leaders of HPC organizations and/or businesses?

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

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.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
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Please select Main Topic as **LSEEDCC**

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.iaria.org/registration.html

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