Call for Contributions
1. Inform the Chair: with the Title of your Contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=CLOUD+COMPUTING+2021+Special
Please select Track Preference as **HSIOS**
3. Note: *For 2021, all events will be held in a hybrid mode: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides). We hope for better times allowing us to return to the traditional on-site scientific events. However, we are ready to adapt any which way the conditions dictate.*

Special track

HSIOS: Heterogeneous Storage and I/O Systems

Chair and Coordinator
Dr. (周江) Jiang Zhou, Associate Professor, Institute of Information Engineering, Chinese Academy of
Sciences, China
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along with
CLOUD COMPUTING 2021, The Twelfth International Conference on Cloud Computing, GRIDs, and
Virtualization
April 18, 2021 to April 22, 2021 - Porto, Portugal
https://www.iaria.org/conferences2021/CLOUDCOMPUTING21.html

With the emerging of new storage devices, the heterogeneous storage, which consists of a mix of hard disk drives, solid state drives, and other non-volatile memory devices, has become increasingly attractive since it combines the merits of different storage devices to deliver better promises. To efficient manage data on heterogeneous storage, we need to consider different device features and take full advantage of their potentials.

Meanwhile, the heterogeneous storage brings new challenges on I/O systems. Due to the nonuniform access patterns of applications, the data may be accessed in an inappropriate way if not well considering storage heterogeneity. It could lead to performance degrade and is a sub-optimal design.

This special track focuses on data management and I/O optimization on heterogeneous storage systems. We encourage contributions ranging from algorithmic studies, methodology development, and prototype implementation.

Topics include, but not limited to:

- Persistent, non-volatile and emerging memory for cloud computing;
- Data distribution on heterogeneous storage systems;
- I/O optimization on heterogeneous storage systems;
- Applications case studies with heterogeneous storage systems;
- Elastic storage on heterogeneous environments.

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]

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: March 4, 2021
- Notification: March 20, 2021
- Registration: April 1, 2021
- Camera-ready: April 1, 2021

Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

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
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=CLOUD+COMPUTING+2021+Special
Please select Track Preference as **HSIOS**

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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