

CALL FOR PAPERS

Special Session “Parallel and Distributed Computing associated with Databases”

International Conference on Software Engineering Research, Management and Applications (SERA 2014)

<http://www.acisinternational.org/sera2014/>

August 31-September 4, 2014, Kitakyushu, Japan

Overview:

In the field of computer science, it is one of the most important themes to make full use of large-scale data. In order to manage large-scale data and to retrieve useful knowledge from them, large amount of computing power and storage capacity are required. On the other hand, multi-core processor chips are used not only in high-end servers but also in desktop computers, and communications between computers are commonplace through the Internet. This makes it more available than ever to construct a parallel computer or a distributed computer.

This special session aims at bridging between system design of parallel/distributed computers and database issues as their applications. The session focuses on both of (i) parallel/distributed computer architectures oriented to database systems or inspired by database techniques and (ii) data engineering systems intended to parallel or distributed computing.

Topics:

We invite the submission of original works that are related to the topics below, but are not limited to them.

- Parallel and Distributed Computer Architectures
- Parallel and Distributed Databases
- Parallel and Distributed Storage Systems
- Parallel and Distributed Algorithms for Data Engineering
- Parallel and Distributed I/O Systems
- Parallel and Distributed Big-Data Management
- Architectural Support for Concurrent Programming
- Network Architectures for Distributed Computing

Important Dates:

- Paper Submission: **April 14, 2014**
- Acceptance Notification: May 12, 2014
- Final Papers & Registration due: **June 9, 2014**

Paper Submission:

- The paper format is IEEE 8.5 x 11 proc. style. Document templates can be found at the URL below:
http://www.ieee.org/conferences_events/conferences/publishing/templates.html
- The length of the paper is 6 pages including all text, figures, and references. Up to 2 extra pages (for a total of 8 pages) will be available with additional charge.
- In order to facilitate a blind review process, the author's name and address **MUST NOT** appear in the manuscript.
- The manuscript in PDF format **must be submitted via e-mail** to hrt@kit.ac.jp. **Please do NOT upload your manuscript at the SERA 2014 homepage**, because the submitted papers will be peer-reviewed independently from general sessions in SERA 2014
- Submission implies the willingness of at least one of the authors to register and present the paper.

Session Organizers:

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