

ICST INFOSCALE 2008

The Third International ICST Conference on Scalable Information Systems
Vico Equense, Italy - June 4th-6th, 2008

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As data and knowledge volume keep increasing while global means for information dissemination continue to diversify, new methods, modeling paradigms, and structures are needed to support efficiently the mounting scalability requirements.

In the last few years we have seen the proliferation of the use of heterogeneous distributed systems, ranging from simple Networks of Workstations, to highly complex Grid Computing environments. Such computational paradigms have been preferred due to their reduced costs and inherent scalability, but their efficient usage pose many challenges in terms of information access, storage and retrieval as well as in terms of algorithms for efficiently manage, transfer, and analyze huge volume of data and knowledge.

Grid computing, P2P technology, data and knowledge bases, distributed information retrieval technology, and networking technology should all converge to address the scalability concern. Furthermore, with the advent of emerging computing architectures - e.g. SMTs, GPUs, Multicores, etc. - the importance of designing techniques explicitly targeting these systems, is becoming more and more important.

The Third International Conference on Scalable Information Systems will focus on a wide array of scalability issues and investigate new approaches to tackle problems arising from the ever-growing size and complexity of information of all kinds.

Topics

- **Scalable Parallel and Distributed Information Retrieval**
- **Scalable Grid Information Systems**
- **Scalable Peer-to-Peer Systems**
- **Scalable Mobile Systems**
- **Scalable Web Services**
- **Scalable Sensor Networks and Systems**
- **Scalable Systems and Conceptual Modeling**
- **Scalable Multimedia Information Systems**
- **Scalability Issues on Emerging Computing Architectures (SMTs, GPUs, Multicores)**
- **Scalable Data Mining**
- **Parallel and Distributed Computing Systems**
- **Middleware Technology for Scalable Computing**
- **Information Security**
- **Architectures for Scalability**
- **Networking for Scalable Information Systems**
- **Evaluation Metrics for Scalability**
- **Enterprise Information Systems and Applications**
- **Very Large Databases**
- **Compression Techniques for Scalability**
- **Optimizing Compiling Techniques for Scalable Parallel Systems**

Important Dates:

Submission deadline	April 10th, 2008
Notification	April 30th, 2008
Camera-ready	May 10th, 2008
Conference	June 4th-6th, 2008

Publications:

- Original and previously unpublished technical papers are solicited for presentation at the conference and publication in the proceedings.
- The conference proceedings will be published as part of the ACM Digital Library, which automatically gets listed in EI and ISI Indexes.
- Selected best papers will be invited for a special issue of an International Journal.

Call for Workshops and Tutorials:

Proposals for half-day workshops to be held in conjunction with the conference are solicited. A maximum of 2 pages, including the workshop name, its scope and a list of topic of interests, should be submitted to Salvatore Orlando, University of Venice (orlando@unive.it). Proposal for half-day tutorials should be submitted to Pavel Zezula, Masaryk University, Brno (zezula@fi.muni.cz).

Submission format:

Papers in PDF should be submitted via the ICST INFOSCALE 2008 website, <http://www.infoscale.org>. (in IEEE conference proceedings format, up to 10 pages in two-column, no less than 10 pt font).