

**A Workshop on
e-science**

Computational Grid Infrastructure and Scientific Applications



In conjunction with the International Conference on High Performance Computing
(HiPC 2003), Taj Krishna, Hyderabad, India
17th December 2003

<http://www.cse.iitd.ac.in/~dheerajb/gridscience.htm>

Call For Papers**WORKSHOP ORGANIZERS**

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PAPER SUBMISSIONS

We invite authors to submit original and unpublished work. Please submit complete papers (10 pages maximum, IEEE CS format). Electronic submission is strongly encouraged. Submission implies the willingness of at least one of the authors to register and present the paper.

IMPORTANT DATES

Submission deadline: September 15, 2003

Notification: October 10, 2003

Final Manuscript: October 31, 2003

Workshop: December 17, 2003

The objective of the e-science Workshop is to address the issues related to development of e-science infrastructure, Grid Middleware, Scientific Application and other related issues.

More generally e-Science refers to the development of the next generation infrastructure to support computationally based science. This involves the effective utilization of distributed computing, storage and networking resources owned by different organizations but used by individuals both within and outside these organizations. These resources are collectively referred to as a Computational Grid. e-Science envisages that large scale science will be increasingly carried out in distributed global collaborations enabled by the Internet. A feature of these collaborations is that they will require efficient access to very large data collections and very large scale computing resources and will use distributed visualization to support a high-level of user access.

Topics of interest include but are not limited to :

Grid Computing

Grid Middleware Architecture

Grid Security, Monitoring, Management and Organization

Grid Resource Management and Scheduling

Grid Programming Models, tools and Environments

Scientific and Engineering Application

Grid I/O and Remote data management

Performance Evaluation and Modeling

Grid Economy

Access Grid

Future infrastructure for e-science

PUBLICATION

Papers will be published in a joint HiPC workshop proceeding by Phoenix Publishers. Journal-length versions of the workshop papers will appear in a special issue of an International Journal on e-science.

FURTHER INFORMATION

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