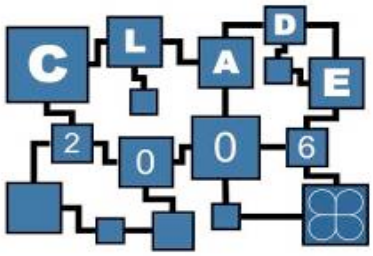

Challenges of Large Applications in Distributed Environments (CLADE)

Call For Papers

In conjunction with the 15th International Symposium on High Performance Distributed Computing (HPDC-15)
Paris, June 2006 http://www.mcs.anl.gov/~bair/CLADE2006/

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IMPORTANT DATES

- Abstract Deadline: February 1, 2006
- Submission Deadline: February 8, 2006
- Notice of Acceptance: March 22, 2006
- Final Manuscript Due: April 19, 2006
- Workshop: June 19 or 20, 2006

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A new era of large scale, distributed applications are exploiting advances in networking, high-end computers, large data stores and middleware capabilities to address challenging problems. This workshop focuses on the complex issues that arise in large-scale applications of distributed computation, and promotes the development of innovative applications that effectively use distributed resources, e.g., to adapt to heterogeneity and dynamics in space and time. This includes recent results on the development, deployment, management and evaluations of large scale applications in science, engineering, medicine, business, economics, education, and other disciplines, on Grids and other distributed heterogeneous and dynamic computing environments.

Topics of interest to this workshop include (but are not limited to) applications that illustrate advances in the following areas:

- Large-scale distributed applications, both computational and data-centric
- Autonomic applications and runtime systems
- Application-specific portals in distributed environments
- Distributed problem-solving environments
- Distributed, collaborative science applications
- Large, distributed data analysis
- Applications with heterogeneous spatial and temporal characteristics
- Distributed, multidimensional, dynamically adaptive applications
- Applications of new theories and tools for constructing adaptive software systems
- Variable granularity environments
- Examples of distributed applications benefiting from advances in
  - o Runtime support for intelligent, adaptive systems
  - o Programming models for heterogeneous and dynamic computation
  - o Portability, quality of service, or fault-tolerance in cluster and Grid computation
  - o Resource management, dynamic scheduling or load balancing in heterogeneous environments

PAPER SUBMISSIONS

CLADE 2006 invites authors to submit original and unpublished work. Please submit full papers (10 pages maximum, IEEE Transactions format). Electronic submission is required. Submission implies the willingness of at least one of the authors to register at the workshop and present the paper. Any questions concerning topics, submissions or any other issues may be directed to the Program Chairs.

PUBLICATION

The workshop proceedings will be published and distributed at the conference Proceedings will also be available through the IEEE Computer Society.

FURTHER INFORMATION

For further information please contact the Program Chairs: Tom Hacker and Jennifer Schopf at <CLADE2006ProgramChairs@mcs.anl.gov>