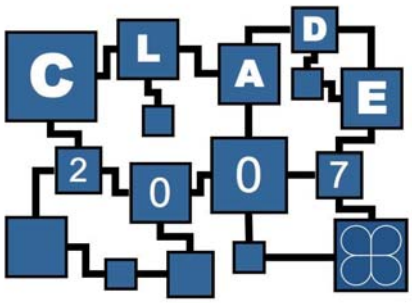

Challenges of Large Applications in Distributed Environments (CLADE)

Call For Papers

In conjunction with the 16th International Symposium on High Performance Distributed Computing (HPDC-16)
Monterey Bay, California, June 2007 http://www.mcs.anl.gov/~schopf/CLADE2007/

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IMPORTANT DATES
- Submission Deadline: February 24, 2007
- Notice of Acceptance: March 28, 2007
- Final Manuscript Due: April 25, 2007
- Workshop: June 25, 2007

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Distributed cyberinfrastructure resources continue to be developed at a rapid pace and across the pectrum of disciplines. This development reinforces the need for effective distributed applications. From sensor data to online data collections to remote visualization, the most challenging problems will be solved by applications that can make effective use of such distributed, heterogeneous resources. This workshop will highlight the successful development, deployment, management and evaluation 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
- 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
- Examples of distributed applications benefiting from advances in
  - o Workflow tools in distributed environments
  - o Application hosting frameworks for distributed environments
  - 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 2007 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. One paper will be honored at the workshop with the best paper award. 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: Sergiu Sanielevici and Nancy Wilkins-Diehr at <CLADE2007ProgramChairs@mcs.anl.gov>