



Challenges of Large Applications in Distributed Environments (CLADE) Call For Papers

In conjunction with the 18th International Symposium on High Performance Distributed Computing (HPDC-18)
Munich, Germany, June 9 or 10, 2009 <http://ai2.inf.uni-bayreuth.de/CLADE2009/>

SPONSORS (pending)

ACM (Association for Computing Machinery)
National Science Foundation
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IMPORTANT DATES

- Submission Deadline: **March 2, 2009**
- Notice of Acceptance: March 16, 2009
- Final Manuscript Due: TBA
- Workshop: June 9/10, 2009

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Distributed cyberinfrastructure resources continue to be developed at a rapid pace and across the spectrum 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
- Enterprise/data-center applications
- Applications on Emerging Distributed Environments such as Clouds
- Examples of distributed applications benefiting from advances in
 - Workflow tools in distributed environments
 - Application hosting frameworks for distributed environments
 - Runtime support for intelligent, adaptive systems
 - Programming models for heterogeneous and dynamic computation
 - Portability, quality of service, or fault-tolerance in cluster and Grid computation
 - Resource management, dynamic scheduling or load balancing in heterogeneous environments

PAPER SUBMISSIONS

CLADE 2009 invites authors to submit original and unpublished work. Please submit full papers (10 pages maximum), see <http://ai2.inf.uni-bayreuth.de/CLADE2009/> for details. 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 Chair.

PUBLICATION

The workshop proceedings will be published and distributed at the conference. Proceedings will be published by ACM or IEEE.

FURTHER INFORMATION

For further information please contact the General Chairs: Thomas Rauber and Gudula Rünger at <ai2@uni-bayreuth.de>