



Challenges of Large Applications in Distributed Environments (CLADE)

In conjunction with the 14th International Symposium on High Performance Distributed Computing ([HPDC-14](#))
Research Triangle Park, NC, July 24, 2005
<http://www.cs.umd.edu/CLADE2005/>

Advance Program ([PDF](#))

8:30-8:45 am	<p>Opening Remarks – R. Bair, General Chair, Room: Oak</p> <p>Welcome – A. Sussman, Program Chair, Room: Oak</p>
8:45-9:45 am	<p>Keynote Address – Room: Oak Enabling Science and Engineering Applications on the Grid E. Seidel, Louisiana State University (Abstract) Chair: R. Bair</p>
9:45-10:35 am	<p>SESSION I – Chair: R. Bair, Room: Oak Applications I</p>
	<p>GISolve: A Grid-based Problem Solving Environment for Computationally Intensive Geographic Information Analysis Shaowen Wang^{1,2}, Marc P. Armstrong^{2,3}, Jun Ni^{1,4} and Yan Liu^{1,4} ¹Academic Technologies – Research Services of Information Technology Services, ²Department of Geography, ³Program in Applied Mathematical and Computational Science, ⁴Department of Computer Science The University of Iowa, Iowa City, IA, USA</p>
	<p>Collaborative e-Science Architecture for Reaction Kinetics Research Community Tran Vu Pham¹, Lydia M.S. Lau¹, Peter M. Dew¹ and Michael J. Pilling² ¹School of Computing, ²School of Chemistry University of Leeds, Leeds, UK</p>
10:35-11:00 am	<p>Break</p>
11:00am- 12:15 pm	<p>SESSION II – Chair: A. Sussman, Room: Oak Data Management I</p>
	<p>Coordination of Data Movement with Computation Scheduling on a Cluster John Bent, Doron Rotem, Alexandru Romosan and Arie Shoshani Lawrence Berkeley National Laboratory, University of California, Berkeley, CA, USA</p>
	<p>A Composable Data Management Architecture for Scientific Applications Yu Ma and Randall Bramley Department of Computer Science, Indiana University, Bloomington, IN, USA</p>
	<p>A User-Transparent Recoverable File System for Distributed Computing Environment Hyeong S. Kim and Heon Y. Yeom Department of Computer Science and Engineering, Seoul National University, Seoul, Korea</p>
12:15-1:30 pm	<p>LUNCH, Room: TBD</p>

1:30-2:20 pm	<p style="text-align: center;">SESSION III – Chair: M. Parashar, Room: Oak Applications II: Bioinformatics</p>
	<p style="text-align: center;"><u>Challenges in Large Scale Distributed Computing: Bioinformatics</u> Terry Disz, Mike Kubal, Robert Olson, Ross Overbeek and Rick Stevens <i>Argonne National Laboratory, The University of Chicago, Chicago, IL, USA</i></p>
	<p style="text-align: center;"><u>Simultaneous Scheduling of Replication and Computation for Bioinformatic Applications on the Grid</u> Frédéric Desprez and Antoine Vernois <i>UMR CNRS, ENS Lyon, INRIA, Univ. Claude Bernard Lyon 1, Lyon, France</i></p>
2:20-3:35 pm	<p style="text-align: center;">SESSION IV – Chair: M. Parashar, Room: Oak Infrastructures and Services</p>
	<p style="text-align: center;"><u>Reverb: Middleware for Distributed Application Forensics</u> Patrick Widener <i>College of Computing, Georgia Institute of Technology, Atlanta, GA, USA</i></p>
	<p style="text-align: center;"><u>Automatic Selection of Loop Scheduling Algorithms Using Reinforcement Learning</u> Sumithra Dhandayuthapani^{1,2}, Ioana Banicescu^{1,2}, Ricolindo L. Carino², Eric Hansen¹, Jaderick P. Pabico^{1,2} and Mahbubur Rashid^{1,2} <i>¹Dept. of Computer Science and Engineering, ²Center for Computational Sciences–ERC Mississippi State University, Mississippi State, MS, USA</i></p>
	<p style="text-align: center;"><u>Simplifying FusionGrid Security</u> J. R. Burruss¹, T. W. Fredian² and M. R. Thompson³ <i>¹General Atomics, P.O. Box 85608, San Diego, California, USA ²Massachusetts Institute of Technology, Cambridge, MA, USA ³Lawrence Berkeley National Laboratory, Berkeley, CA, USA</i></p>
3:35-4:00 pm	<p>BREAK</p>
4:00-5:15 pm	<p style="text-align: center;">SESSION V – Chair: A. Sussman, Room: Oak Data Management II</p>
	<p style="text-align: center;"><u>Structure, Sharing and Preservation of Scientific Experiment Data</u> Sangmi Lee Pallickara, Beth Plale, Scott Jensen and Yiming Sun <i>Department of Computer Science, Indiana University, Bloomington, IN, USA</i></p>
	<p style="text-align: center;"><u>FSML: Fusion Simulation Markup Language for Interoperability of Data and Analysis Tools</u> Svetlana G. Shasharina and Chuang Li <i>Tech-X Corporation, Boulder, CO, USA</i></p>
	<p style="text-align: center;"><u>Searching Against Distributed Data Using a Web Service Architecture</u> Tom Jackson, Mark Jessop, Andy Pasley and Jim Austin <i>Department of Computer Science, University of York, Heslington, York, UK</i></p>
5:15-5:30 pm	<p style="text-align: center;">Feedback and CLADE 2006 Plans Discussion Leaders – R. Bair and A. Sussman</p>