



International Symposium on High Performance Distributed Computing

Munich, Germany

Workshops June 09-10, 2009

Symposium June 11-13, 2009

HPDC 2009

The 18th International Symposium on High Performance Distributed Computing (HPDC) is the premier forum for presenting the latest research findings on the design and use of parallel and distributed systems for high end computing, collaboration, data analysis, and other innovative applications.

Topics

- **HPDC architectures:** HPC systems, Grids, Computing Clouds, SOA for HPDC
- **High end communications:** Software/hardware/architecture and networking (incl. Terabit networks systems and services)
- **Data management and transport** (incl. High performance I/O and file systems)
- **Software environments:**
 - Programming frameworks
 - Language/compiler support
 - Performance analysis, modeling, simulation and prediction
 - Resource management, scheduling and load-balancing
- **Operating system technologies** for high performance distributed computing (incl. Virtualization for HPDC systems)
- **Grid middleware**
 - Security, configuration, policy, and management issues
 - Workflow management
 - Resource management, scheduling and load-balancing
- **Applications and algorithms**
 - Parallel and distributed algorithms
 - Multicore algorithms and software implementations
 - Multimedia, tele-immersive, and collaborative applications
- **Fault tolerance, reliability and availability** for HPDC applications

Organizing Committee

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Important Dates

Abstract Submission:	Dec. 22, 2008
Paper Submission:	Jan. 12, 2009
HPDC Workshops:	Jun. 09-10, 2009
HPDC Symposium:	Jun. 11-13, 2009