

Program HPDC 2009

June 9 (Tuesday)

Time	Room		
	Lobby LRZ	Hörsaal LRZ	Seminarraum 1 LRZ
08:00 - 18:00	Registration		
09:00 - 13:00		Workshop Upgrade-CN	Workshop Resilience
14:00 - 18:00		Workshop DADC	Workshop QosCosGrid

June 10 (Wednesday)

Time	Room		
	Lobby LRZ	Hörsaal LRZ	Seminarraum 1 LRZ
08:00 - 18:00	Registration		
09:00 - 13:00		Workshop LSAP	Workshop MLA
14:00 - 18:00		Workshop CLADE	
18:00 - ??	Guided Munich Walking Tours, Meeting Point Marienplatz		

June 11 (Thursday)

		Room
Time	TUM Magistrale	Hörsaal 1 TUM
08:00 - 18:00	Registration	
09:00 - 09:30		Opening (Arndt Bode) Welcome Address: Yiannis Sagias, European Commission
09:30 - 10:30		Keynote (Chair: Dieter Kranzlmüller) <i>An Overview of High Performance Computing and Challenges for the Future, Jack Dongarra</i>
10:30 - 11:00		Coffee Break
11:00 - 12:30		Session: PARALLEL ALGORITHMS AND APPLICATIONS (Chair: Henri Bal) <i>Harnessing Parallelism in Multicore Clusters with the All-Pairs and Wavefront Abstractions</i> <i>Li Yu, Christopher Moretti, Scott Emrich, Kenneth Judd, Douglas Thain</i> <i>Pluggable Parallelisation</i> <i>Rui Gonçalves, João Sobral</i> <i>Performance Enhancement with Speculative Execution Based Parallelism for Processing Large-scale XML-based Application Data</i> <i>Michael R. Head, Madhusudhan Govindaraju</i>
12:30 - 14:00		Lunch Break
14:00 - 15:30		Session: I/O AND PARALLEL COMPUTING (Chair: Karsten Schwan) <i>Y-Lib: A User Level Library for High Performance MPI-IO in a Lustre File System Environment</i> <i>Phillip M Dickens, Jeremy Logan</i> <i>Scalable Data Staging Services for Petascale Applications</i> <i>Hasan Abbasi, Matthew Wolf, Fang Zheng, Greg Eisenhauer, Scott Klasky, Karsten Schwan</i> <i>Interconnect Agnostic Checkpoint/Restart in Open MPI</i> <i>Joshua Hursey, Timothy I. Mattox, Andrew Lumsdaine</i>
15:30 - 16:00		Coffee Break
16:00 - 17:30		Poster Session and Demo Session (Chair: Erwin Laure) <i>Maintaining Reference Graphs of Globally Accessible Objects in Fully Decentralized Distributed Systems (Poster)</i> <i>Bjoern Saballus, Thomas Fuhrmann</i> <i>Adaptive Run-time Prediction in Heterogeneous Environments (Poster)</i> <i>Christian Glasner, Jens Volkert</i> <i>Performance Prediction Based on Hierarchy Parallel Features Captured in Multi-Processing System (Poster)</i> <i>Jiaxin Li, Feng Shi, Ning Deng</i> <i>CLOUDLET: Towards MapReduce Implementation on Virtual Machines (Poster)</i> <i>Shadi Ibrahim, Hai Jin, Bin Cheng, Song Wu, Haijun Cao, Li Qi</i> <i>Investigating Software Transactional Memory on big SMP machines (Poster)</i> <i>Ruibo Wang</i> <i>Laboratory for Virtual Experimentation in Virology and Bioinformatics (Demo)</i> <i>ACC CYFRONET AGH</i> <i>Grid Development Tools (Demo)</i> <i>University of Marburg</i> <i>The Planck Process Coordinator workflow engine on the Grid (Demo)</i> <i>Leibniz Supercomputer Centre</i> <i>Support for cooperative experiments in VL-e: from scientific workflows to knowledge sharing (Demo)</i> <i>University of Amsterdam</i> <i>Interactive Simulations on the Grid (Demo)</i> <i>Leibniz Supercomputer Centre</i> <i>UNICORE 6 - A European Grid Technology (Demo)</i> <i>Juelich Supercomputing Centre</i> <i>Scientific Workflows in the UNICORE Rich Client (Demo)</i> <i>Juelich Supercomputing Centre</i> <i>Jawari - A Grid Benchmarking and Monitoring Service for Grid Assessment (Demo)</i> <i>Fraunhofer Institut ITWM</i> <i>DORII - Deployment of Remote Instrumentation Infrastructure (Demo)</i> <i>Ludwig-Maximilians-Universität München</i> <i>PRACE, the Partnership for Advanced Computing in Europe (Demo)</i> <i>CSC - IT Center for Science Ltd. (PRACE)</i> <i>The C3-Grid Project: Seamless Volume-optimized Access to Federated Climate Data (Demo)</i> <i>Technische Universität Dortmund</i>
17:30 - ??		Welcome Reception in the TUM Magistrale Welcome Address: Arndt Bode

June 12 (Friday)

	Room	
Time	TUM Magistrale	Hörsaal 1 TUM
08:00 - 18:00	Registration	
09:00 - 10:00		Keynote (Chair: Michael Schiffers) <i>Sustainable HPC Infrastructures: HPC Centers, Grids, and Clouds -- The DEISA Experience, Wolfgang Gentzsch</i>
10:00 - 10:30		Coffee Break
10:30 - 12:30		Session: GRID MIDDLEWARE AND DISTRIBUTED ALGORITHMS (Chair: Emmanuel Jeannot) <i>An Adaptive Online System for Efficient Processing of Hierarchical Data</i> <i>Athanasia Asiki, Dimitrios Tsoumakos, Nectarios Koziris</i> <i>High Performance Wide-area Overlay using Deadlock-free Routing</i> <i>Ken Hironaka, Hideo Saito, Kenjiro Taura</i> <i>TakTuk, Adaptive Deployment of Remote Executions</i> <i>Guillaume Huard, Benoit Claudel, Olivier Richard</i> <i>Live Migration of Virtual Machine Based on Full System Trace and Replay</i> <i>Haikun Liu, Hai Jin, Xiaofei Liao</i>
12:30 - 13:30		Lunch Break
13:30 - 15:00		Panel Discussion (Chair: Thomas Ludwig): <i>How to solve the power wall problem of supercomputing (in 2015)?</i>
15:00 - 15:30		Coffee Break
15:30 - 17:30		Vendor Session (Chair: Dieter Kranzlmüller) <i>Cray, Hewlett-Packard, IBM, Intel, Megware, Platform Computing, Silicon Graphics</i>
19:30 - ??	Bavarian Beer Night at the Unionsbräu (Munich, Einsteinstraße)	

June 13 (Saturday)

	Room	
Time	TUM Magistrale	Hörsaal 1 TUM
08:00 - 12:00	Registration	
09:00 - 10:00		Keynote (Chair: Michael Gerndt) <i>High-Productivity Languages for Petascale Computing, Hans P. Zima</i>
10:00 - 10:30		Coffee Break
10:30 - 12:30		Session: RESOURCE MANAGEMENT AND SCHEDULING (Chair: Michael Schiffers) <i>Trace-Based Evaluation of Job Runtime and Queue Wait Time Predictions in Grids</i> <i>Omer Ozan Sonmez, Nezhir Yigitbasi, Alexandru Iosup, Dick Epema</i> <i>Modeling User Submission Strategies on Production Grids</i> <i>Diane Lingrand, Johan Montagnat, Tristan Glatard</i> <i>Resource Co-Allocation for Large-Scale Distributed Environments</i> <i>Claris Castillo, George N. Rouskas, Khaled Harfoush</i> <i>Evaluating the Cost-Benefit of Using Cloud Computing to Extend the Capacity of Clusters</i> <i>Marcos Dias de Assuncao, Alexandre di Costanzo, Rajkumar Buyya</i>
12:30 - 13:30		Lunch Break
13:30 - 15:00		Session: WORKFLOW AND DATAFLOW APPLICATIONS (Chair: Dick Epema) <i>A Novel Graph Based Approach for Automatic Composition of High Quality Grid Workflows</i> <i>Jun Qin, Thomas Fahringer, Radu Prodan</i> <i>An Integrated Framework for Parameter-based Optimization of Scientific Workflows</i> <i>Vijay S Kumar, Tahsin Kurc, Gaurang Mehta, Karan Vahi, Varun Ratnakar, Ewa Deelman, Yolanda Gil, P Sadayappan, Mary Hall, Joel Saltz, Jihie Kim</i> <i>Maestro: A Self-Organizing Dataflow Framework Using Reinforcement Learning</i> <i>Kees van Reeuwijk</i>
15:00 - 15:30		Coffee Break
15:30 - 17:00		Session: DATA MANAGEMENT (Chair: Dieter Kranzlmüller) <i>Collaborative Query Coordination in Community-Driven Data Grids</i> <i>Tobias Scholl, Angelika Reiser, Alfons Kemper</i> <i>The Quest for Scalable Support of Data Intensive Workloads in Distributed Systems</i> <i>Ioan Raicu, Ian Foster, Yong Zhao, Philip Little, Christopher Moretti, Amitabh Chaudhary, Douglas Thain</i> <i>Exploring Data Reliability Tradeoffs in Replicated Storage Systems</i> <i>Abdullah Gharaibeh, Matei Ripeanu</i>