About Munich – your Conference Venue

"Munich nestles between art and beer like a village between hills." Originally written by Heinrich Heine some 150 years ago, these words remain true today.

With the opera and Oktoberfest, Pinakothek art galleries and Hofbräuhaus beer hall, Bayern, Munich and BMW, the city manages to marry vibrant modern life with old Bavarian tradition. It really is a dream city come true.

With its famous onion domes, the 15th century Gothic Church of Our Lady is Munich's unmistakable land mark. Not far away, at Marienplatz, the carillon plays three times a day. And just a stone's throw away is likely the most famous tavern in the world, the Hofbräuhaus beer hall. Other sightseeing highlights include the Olympic center where the Olympic Games took place in 1972.

Regarding museums, the Pinakothek der Moderne presents modern and contemporary painting and sculpture, jewelry, graphic art and the collection of the architectural museum under one roof. Together with the Alte Pinakothek, the Neue Pinakothek, the Glyptothek museum of Greek and Roman sculptures, the antiquities collection and Lenbach House, it forms a unique arts collection. The German Museum with its branches Verkehrszentrum (transport center) and Flugwerft (aircraft works) is a pioneering museum for technology.
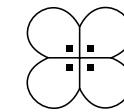
www.muenchen.de

Organizer

MNM TEAM
MUNICH NETWORK MANAGEMENT TEAM

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www.lrz.de/hpdc2009

International Symposium on

High Performance Distributed Computing
Munich, Germany

Workshops: June 9-10, 2009
Symposium: June 11-13, 2009

Call for Participation
Keynotes

Prof. Dr. Jack Dongarra
University of Tennessee and Oak Ridge National Laboratory, Knoxville, USA

"An Overview of High Performance Computing and Future Challenges"
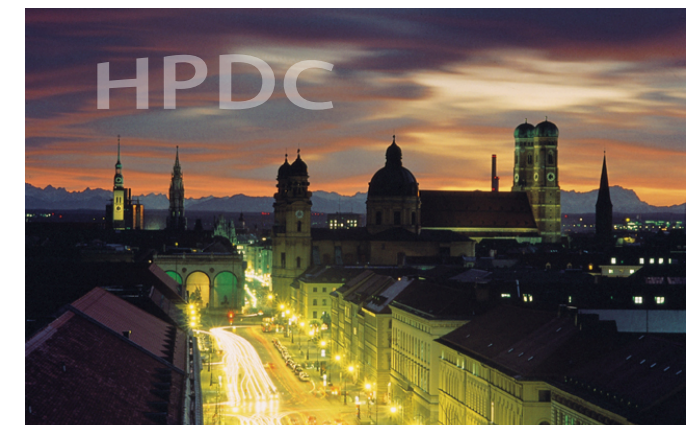
Prof. Dr. Wolfgang Gentzsch
The DEISA Project and Member of the Board of Directors of the Open Grid Forum

"Sustainable HPC Infrastructures: HPC Centers, Grids, and Clouds: The DEISA Experience"

Prof. Dr. Hans Zima
Jet Propulsion Laboratory, California Institute of Technology, Pasadena, USA

"High-Productivity Languages for Petascale Computing"

HPDC

About HPDC 2009

The Eighteenth International Symposium on High Performance Distributed Computing (HPDC 2009) will be held from 11th June to 13th June 2009 in Garching near Munich, Germany. Workshops co-located with HPDC will be held from 9th June to 10th June.

HPDC 2009 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.

HPDC 2009 will build on the successes of its predecessors and serves as the primary forum for exchange among the research, standards, vendor, and user communities in the field of high performance and distributed computing.

HPDC 2009 will be organized into technical and application sessions, panels, and workshops. In addition, it will feature a demo/exhibit track to share practical lessons learned by user and vendor communities upon prototyping innovative HPDC concepts, mechanisms and applications.

In the tradition of previous events, we strive to make the HPDC 2009 Symposium the highest quality professional event of the year. Paper submissions underwent a stringent review process implemented by the Technical Program Committee, which includes many of the most respected experts in the field. We received papers that break new grounds or present insightful results based on experience with high performance and distributed computing.

Seven workshops on specialized topics will be co-located with the main conference.

Organizing Committee

General Chair:
Dieter Kranzlmüller, Ludwig-Maximilians-Universität (LMU), Leibniz Supercomputing Centre (LRZ), Germany

General Co-Chairs:
Arndt Bode, Technische Universität München (TUM), Germany
Heinz-Gerd Hegering, Leibniz Supercomputing Centre (LRZ), Germany

Program Co-Chairs:
Michael Gerndt, Technische Universität München (TUM), Germany
Henri Casanova, University of Hawaii, USA

Local Chair:
Michael Schiffers, Ludwig-Maximilians-Universität (LMU), Germany

Conference Program

Tuesday, June 9, 2009, 9:00 - 18:00

Workshop: Content Management and Delivery in Large-Scale Networks (UPGRADE-CN 09)

Workshop: Resiliency in High-Performance Computing (Resilience 2009)

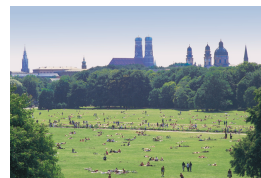Workshop: Data-Aware Distributed Computing (DADC 09)

Workshop: Quasi Opportunistic Supercomputing for Complex Systems in Grid Environments (QosCosGrid 09)

Wednesday, June 10, 2009, 9:00 - 18:00

Workshop: Large-Scale System and Application Performance (LSAP 09)

Workshop: Challenges of Large Applications in Distributed Environments (CLADE 09)

Workshop: Monitoring, Logging and Accounting in Production Grids (MLA 09)

18:00: Guided Munich Walking Tours

Thursday, June 11, 2009, 9:00 - 17:30

Keynote:
An Overview of High Performance Computing and Challenges for the Future (Jack Dongarra)

Session 1: Parallel Algorithms and Applications

Session 2: I/O and Parallel Computing

Poster Session

www.lrz.de/hpdc2009

Conference Program

Thursday, June 11, 2009, 9:00 - 18:00

Demonstration Session:
Demonstration of prototypes and technology artifacts proving HPDC concepts, mechanisms and applications.

18:00: Welcome Reception

Friday, June 12, 2009, 9:00 - 17:30

Keynote:
Sustainable HPC Infrastructures: HPC Centers, Grids, and Clouds - The DEISA Experience (Wolfgang Gentzsch)

Session 3: Grid Middleware and Distributed Algorithms

Panel Discussion (Chair: Thomas Ludwig)
How to solve the power wall problem of supercomputing (in 2015)?

Vendor Session:
Cray, Hewlett-Packard, IBM, Intel, Megware, Platform Computing, Silicon Graphics

19:30: Bavarian Beer Night

Saturday, June 13, 2009, 9:00 - 17:00

Keynote:
High-Productivity Languages for Petascale Computing (Hans P. Zima)

Session 4: Resource Management and Scheduling

Session 5: Workflow and Dataflow Applications

Session 6: Data Management