

NIC-Symposium 2006

1 – 3 March 2006

Programme

Wednesday, 1 March 2006, Auditorium of Research Centre Jülich

8:30 Transfer from the hotels

9:00 Registration

9:30 Opening

10:00 Th. Lippert, Forschungszentrum Jülich
Towards Petacomputing in the European Research Area

10:30 Coffee

11:00 K. Jansen, NIC, DESY Zeuthen
Neuberger's lattice Dirac Operator

11:45 C. Pena, CERN
Non-leptonic Kaon Decays and the Chiral Regime of the Strong Interaction

12:30 Lunch

14:00 I. Frank, Universität München
Understanding Mechanically Induced Chemical Reactions

14:45 T. Fleig, Universität Düsseldorf
A Relativistic 4-Component Multi-Reference Coupled Cluster Method.
Application to the CsLi Molecule

15:30 Coffee

16:00 A. von Haeseler, Universität Wien
Computing Large Phylogenies on parallel Computers

16:45 St. Turek, Universität Dortmund
Realization of High-Performance-Computing Techniques in the FEM Package FEAST

17:30 Reception

19:00 Transfer to the hotels

Thursday, 2 March 2006, Auditorium of Research Centre Jülich

8:30 Transfer from the hotels

9:00 St. Rosswog, International University Bremen
Stellar Encounters with Black Holes

9:45 U. Hansen, Universität Münster
Dynamics of Planetary Interiors – How unique is the Earth?

10:30 Coffee

11:00 E. Spohr, Forschungszentrum Jülich
Computer Simulation of Low Temperature Fuel Cells and their Components

11:45 M. Pleimling, Universität Erlangen
Dynamical Scaling Behaviour far from Equilibrium

12:30 Lunch

14:00 St. Wessel, Universität Stuttgart
Quantum Monte Carlo Simulations of Strong Correlations

14:45 F. Anders, Universität des Saarlands
Quantum Phase Transition in Coupled Quantum Dots

15:30 Coffee

16:00 F. Bechstedt, Universität Jena
Quasi-one-dimensional In/Si(111) Surface Structures

16:45 G. Bihlmayer, Forschungszentrum Jülich
Complex Magnetism in low Dimensions

17:30 Transfer to the hotels

Friday, 3 March 2006, Blue Gene/L Tutorial, Lecture Room at ZAM

- 8:30 Transfer from the hotels
- 9:00 J. Docter, Forschungszentrum Jülich, ZAM
JUBL - Blue Gene/L System - in Jülich
- 9:30 M. Hennecke, IBM
Unfolding Blue Gene I (PowerPoint Presentation)
- 10:15 Coffee break
- 10:45 M. Hennecke, IBM
Unfolding Blue Gene II (Hands-on Demonstration)
- 11:45 P. Gibbon, Forschungszentrum Jülich, ZAM
Experiences with a hierarchical N-body tree code on BG/L
- 12:10 E. Pavarini, Forschungszentrum Jülich, IFF
Dynamical Mean Field Theory on Blue Gene/L
- 12:30 Lunch break
- 13:30 Hands-on Session with Users,
who have their codes ready for porting, compiling, executing, ...
- 15:00 End of the Tutorial

Further Information

Additional information is available on the web at

<http://www.fz-juelich.de/nic/symposium/>

or contact the conference service:

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