NIC Symposium 2010

24 – 25 February 2010

Forschungszentrum Jülich, Germany

Programme

Venue: Auditorium (Großer Hörsaal) at Forschungszentrum Jülich, Jülich, Germany

Wednesday, 24 February 2010

8.30	Transfer from Jülich
9.00	Registration
9.30	Welcome Address by S. Schmidt, Board of Directors, Forschungszentrum Jülich
9.45	Th. Lippert, Forschungszentrum Jülich Recent Developments in Supercomputing
10.30	Coffee
11.00	Th. Kaczmarek, Universität Köln Protoplanetary Discs in Young Dense Clusters
11.45	G. Herdoiza, NIC, DESY Zeuthen QCD Simulations with Light, Strange and Charm Dynamical Quark Flavours
12.30	Lunch
14.00	H. Elbern, Universität Köln IMACCO: Virtual Institute for Inverse Modelling of the Atmospheric Chemical Composition
14.45	N. Peters, RWTH Aachen Geometrical Properties of Small Scale Turbulence
15.30	Coffee
16.00	P. Gibbon, Forschungszentrum Jülich Plasma Simulation with Parallel Kinetic Particle Codes
16.45	B. Trieu, Forschungszentrum Jülich Threshold Determination for Reliable Quantum Error Correction
17.30	Poster Session and Reception
19.00	Transfer to Jülich

Thursday, 25 February 2010

8.30	Transfer from Jülich
9.00	S. Schmitt, Technische Universität Dortmund Quantum Transport Through Strongly Interacting Nanodevices
9.45	St. Blügel, Forschungszentrum Jülich Van der Waals Interaction of Molecules on Surfaces from First Principles
10.30	Coffee
11.00	M. Magiera, Universität Duisburg-Essen Simulation of Magnetic Friction
11.45	K. Daoulas, Georg-August-Universität Göttingen Studying Directed Assembly of Diblock Copolymers on Patterned Substrates by Soft, Coarse-Grained Models
12.30	Lunch
14.00	M. Brehm, Universität Leipzig Ionic Liquids from *ab initio* Molecular Dynamics on Supercomputers
14.45	G. La Penna, Institute for Chemistry of Organo-Metallic Compounds (ICCOM) The Inhibition of Hydrogenase by Dioxygen
15.30	Coffee
16.00	M. Walter, Universität Freiburg Determination of Structure and Electronic Properties of Free, Supported and Ligand Protected Metal Clusters by Density Functional Theory
16.45	M. Fleck, Forschungszentrum Jülich Pattern Formation in Complex Systems
17.30	Transfer to Jülich