

JSC Guest Student Colloquium

29.9. & 30.9.2014 – building 16.4, Rotunda



Monday, 29.9.2014



13.00 Welcome & Session I

Alessandro Gabbana, Umeå

Using Blue Gene Compute Nodes as Accelerator

Marija Kranjčević, Zagreb

Towards a Hybrid Parallelization of the Chebyshev Filtered Subspace Iteration: a C++ Interface and OpenMP4.0

Liudmila Zaytseva, Freiburg

Development and Parallelization of a Surrogate Generator for EEG Data

15.00 Coffee Break ☕

15.20 Keynote Talk

Sebastian Welter

IBM Sales & Distribution, Software Sales tba.

16.20 Concluding Remarks

Tuesday, 30.9.2014

9.30 Opening Remarks & Session II

Marvin-Lucas Henkel, Duisburg-Essen

A Task-Parallel Dual Tree Traversal for the Tree Code PEPC

Andreas Hofmann, Heidelberg

λ -Dynamics goes FMM

Stephan Schulz, Duisburg-Essen

Stochastic and Interaction based Boundary Conditions for MPCD in Flow Simulations

11.35 Lunch 🍴

13.00 Session III

Christoph Schran, Bochum

Wading the Sea of Isomers - Topological Aspects and Relative Stability of Allotropomers of C_n Cage Clusters

Marius Bause, Leipzig

Hybrid Monte Carlo Study of Polymer Condensation

Georgi Stoychev, Sofia

Fast Equilibration Procedures for Molecular Dynamics Simulations

15.00 Coffee Break ☕

15.20 Session IV

Ivan Tonkov, Sofia

Parallelization of hp-Adaptivity and Neutron Transport in the Finite Element Library deal.II

Francesco Rovico, Rome

Spicom: implementing Structural Plasticity In a full-scale model for the COrtical Microcircuit

16.40 Concluding Remarks