

JSC Guest Student Colloquium

27.9. & 28.9.2016 – building 16.4, Rotunda



Tuesday, 27.09.2016

- 9.30 • **Opening Remarks & Session I**
Fabian Mack, Karlsruhe
Parallel calculation of floor fields in pedestrian simulation
Monika Bajcer, Zagreb
Cerebral Brain Cortex Segmentation using Deep Learning
- 10.40 • **Coffee Break** ☕
- 11.00 • **Group Picture** 📷
- 11.20 • **Session II**
Mia Jukić, Zagreb
Reaction-diffusion simulations with SDC and DUNE
Robert Poenaru, Bucharest
Development of a Violin Plot plug-in for CUBE
- 12.30 • **Lunch** 🍴
- 14.00 • **Session III**
Suryanarayana Maddu Kondaiah, Bochum
Large Eddy Simulations: Modeling and implementation
Giovanni Iannelli, Pisa
Photons on a Möbius ring
- 15.10 • **Coffee Break** ☕
- 15.30 • **Session IV**
Lukas Mazur, Bielefeld
Alternative communication methods for stencil operations in MPI
Fabian Preiß, Wuppertal
Independent Component Analysis on PLI Brain Images
- 16.40 • **Open Discussion** 💬

Wednesday, 28.09.2016

- 9.30 • **Opening Remarks & Session V**
Patrick Emonts, Aachen
Brain simulators on JULIA: Initial performance evaluation
Josip Žubrinić, Zagreb
Distributed CPU/GPU parallelization of the ChASE library
- 10.40 • **Coffee Break** ☕
- 11.00 • **Session VI**
Elisabeth Reichwein, Düsseldorf
Interior Transmission Eigenvalues – Gotta catch 'em all!
Filip Srncic, Zagreb
Color Morphology Based on Loewner Order on GPU
- 12.10 • **Lunch** 🍴
- 14.00 • **Session VII**
Laura Morgenstern, Chemnitz
Thievish threads rob FMM of idle time
Utkan Çalışkan, Istanbul
Sorting and Administration of Particles in OpenCL
- 15.10 • **Coffee Break** ☕
- 15.30 • **Keynote Talk** ★
Martin Mähler, Böblingen
Manager University Relations, IBM
Technology by IBM – Strategy and Outlook
- 16.40 • **Concluding Remarks**