Guest Student Colloquium 2019

Tuesday, 1st October 2019
Wednesday, 2nd October 2019

Rotunda, 16.4, JSC

Program: see back

Keynote
Ingolf Wittmann – IBM
The Future of Computing

PROGRAM

Tuesday, 1st October 2019

10.00 • Photo Session 🖼

Supervisors and students only

11.00 • Opening Remarks & Session I

Lennart Klebl
Chebyshev Accelerated Subspace Iteration Eigensolver - A julia Implementation

Kristina Simeonova
Numerical Methods to Solve Two Real Parameter Non-Linear Eigenvalue Problems

12.10 • Lunch 🍴 **& Coffee Break** ☕

14.00 • Session II

Jacob Beyer
MNIST Number Recognition - Using SNNs, Structural Plasticity and L2L

Chase van de Geijn
Measuring Network Uncertainty: Generalizing Bayes-by-Backprop Using Planar Normalizing Flows

Kyaw Lin Oo
Deep Reinforcement Learning with CULE

15.45 • Open Discussion 💬 **& Coffee Break** ☕

Wednesday, 2nd October 2019

9.30 • Opening Remarks & Session III

Ali Baran Cengiz
Scalable Vector Extension on Arm-Based Architectures

Mahmoud Shoush
Polar Stratospheric Clouds Classification with Deep Learning

10.40 • Coffee Break ☕

11.00 • Session IV

Thomas Miethlinger
Application of HPX to Tiled GEMM and QR: A Benchmark

Janos Meny
MPI Enabled Tasking - An Asynchronous Communication Scheme for the FMM

12.10 • Lunch 🍴

14.00 • Session V

Maximilian Köhler
Pulsatile Inflow Boundary Condition for LBM and their Biomechanical Effects

Marcel Rodekamp
Simulating Carbon Nanostructures - Omelyan Integration with Mixed Precision Solver

15.10 • Coffee Break ☕

15.30 • Keynote Talk ☆

Ingolf Wittmann
IBM Technical Director & Leader of HPC DACH & Europe
The Future of Computing

16.40 • Open Discussion 💬