

NVIDIA Application Lab / 1st Annual Workshop

Status: 03.07.2013

Monday, 8 July 2013		
9:00 – 9:15	D. Pleiter	Welcome
9:15 – 10:00	A. Adinetz / J. Meinke	GPUMAFIA: Subspace Clustering with MAFIA on GPU
10:00 – 10:30	D. Champion	Pulsar Searching with GPUs
10:30 – 11:00	Coffee	
11:00 – 11:30	R. Speck	On parallel-in-time integration
11:30 – 12:00	A. Herten	GPUs at High Energy Physics and PANDA
12:00 – 12:30	S. Köhnen	Update on the Jubrain project (TBC)
12:30 – 14:00	Lunch	
14:00 – 15:00	T. Bradley	Future Directions for CUDA
15:00 – 15:30	F. Schifano	Benchmarking GPU architectures with Lattice Boltzmann simulations
15:30 – 16:00	Coffee	
16:00 – 17:00	J. Kraus	Introduction to OpenACC

20:00 - ...	Dinner
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Tuesday, 9 July 2013		
9:00 – 9:45	L. Oden	GPI2 for GPUs: A PGAS-API for efficient communication in Hybrid Clusters
9:45 – 10:30	M. Bussmann	Playing with Petaflops - Interactive, large-scale Plasma Simulations with GPUs
10:30 – 11:00	Coffee	
11:00 – 11:30	P. Wahl	B-CALM: An multi-node multi GPU 3D FDTD simulator
11:30 – 12:00	A. Lintermann	ZFS - Flow Solver AIA
12:00 – 12:30	J. Kraus	OpenACC 2.0 Highlights