Lattice 2023

Monday, 31 July 2023

Software Development and Machines - Comitium (16:00 - 17:40)

-Conveners: Frank Winter

time	[id] title	presenter
16:00	[47] Status of the Grid Python Toolkit (GPT)	LEHNER, Christoph
16:20	[152] SIMULATeQCD: A simple multi-GPU lattice code for QCD calculations	BOLLWEG, Dennis
16:40	[134] Benchmarking portable staggered fermion kernel written in Kokkos and MPI	SCHLEPPHORST, Simon
17:00	[352] Exploiting Modern C++ for Portable Parallel Programming in Lattice QCD Applications	STRELCHENKO, Alexei
17:20	[139] Status of OpenMP Target Offloading in Grid	Dr LIN, Meifeng

Tuesday, 1 August 2023

Software Development and Machines - Curia II (16:20 - 18:00)

  -Conveners: Johannes Heinrich Weber

time	[id] title	presenter
16:20	[92] GPU-Enhanced Tensor Networks	SAMLODIA, Abhishek
16:40	[168] First dynamical simulations with minimally doubled fermions	VIG, Reka A.
17:00	[264] Renormalization of Karsten-Wilczek Quarks on a Staggered Background	GODZIEBA, Daniel
17:20	[286] Optimizing Staggered All-to-All for GPUs	LYNCH, Michael
17:40	[177] NeuLat: a toolbox for neural samplers in lattice field theories	NICOLI, Kim

Thursday, 3 August 2023

Software Development and Machines - Theory (16:00 - 16:40)

  -Conveners: Alexei Strelchenko

time	[id] title	presenter
16:00	[163] Restoring Reproducibility to Lattice QCD	Dr CLARK, Kate
16:20	[230] GPU computation energy-efficiency: from lattice QCD to large language model training	PORTELLI, Antonin