

The 33rd International Symposium on Lattice Field Theory (Lattice 2015)

Tuesday, 14 July 2015

Algorithms and Machines - 406 (14:00 - 15:40)

-Conveners: Nigel Cundy

time	[id] title	presenter
14:00	[157] Algorithmic improvements for weak coupling simulations of domain wall fermions	Mr MCGLYNN, Greg
14:20	[192] zMobius and other recent developments on Domain Wall Fermions	JUNG, Chulwoo
14:40	[100] Fermionic twisted boundary conditions with reweighting method	Mr BUSSONE, Andrea
15:00	[177] Optimizing the domain wall fermion Dirac operator using the R-Stream source-to-source compiler	Dr LIN, Meifeng
15:20	[5] A next generation C++ library for data parallel QCD	Prof. BOYLE, Peter

Thursday, 16 July 2015

Algorithms and Machines - 405 (10:40 - 12:00)

-Conveners: Georg Bergner

time	[id] title	presenter
10:40	[312] A Multigrid Based Eigensolver for the Hermitian Wilson Dirac Operator	Mr ROTTMANN, Matthias
11:00	[97] Multigrid-accelerated Low-Mode Averaging	Mr SIMETH, Jakob
11:20	[33] Eigenspectrum calculation of the non-Hermitian $O(a)$ -improved Wilson-Dirac operator using the Sakurai-Sugiura method	Dr SUNO, Hiroya
11:40	[72] Accelerating deflation of eigenvalues for fermion matrix inversions on GPUs	Dr STRELCHENKO, Alexei

Friday, 17 July 2015

Algorithms and Machines - 405 (16:30 - 18:10)

-Conveners: Hideo Matsufuru

time	[id] title	presenter
16:30	[208] QUDA features, scaling and solvers	Dr CLARK, M
16:50	[28] Optimization of Lattice QCD with CG and multi-shift CG on Intel Xeon Phi Coprocessor	Dr KOBAYASHI, hirokazu
17:10	[319] Accelerating twisted mass LQCD with QPhiX	Dr SCHROECK, Mario
17:30	[160] An implementation of hybrid parallel CUDA code for the hyperonic nuclear forces	Dr NEMURA, Hidekatsu
17:50	[206] Early Performance Evaluation of Lattice QCD on POWER+GPU Cluster	Mr DOI, Jun