

36th Annual International Symposium on Lattice Field Theory

Monday, 23 July 2018

Algorithms and Machines - 103 (14:00 - 15:40)

time	[id] title	presenter
14:00	[286] Fourier acceleration, the HMC algorithm and renormalizability	Prof. CHRIST, Norman
14:20	[156] Testing a new gauge-fixed Fourier acceleration algorithm	Mr ZHAO, Yidi
14:40	[154] Ensemble Quasi-Newton HMC	JIN, Xiaoyong
15:00	[101] Multilevel integration for meson propagators	Dr NADA, Alessandro
15:20	[269] Multilevel integration for meson propagators: disconnected contributions	Dr HARRIS, Tim

Algorithms and Machines - 103 (16:10 - 17:30)

time	[id] title	presenter
16:10	[256] Solving Domain Wall Dirac Equation Using Multisplitting Preconditioned Conjugate Gradient	TU, Jiqun
16:30	[190] Communication-avoiding optimization methods for fermion matrix inverters	STRELCHENKO, Alexei
16:50	[312] Multigrid for Wilson Clover Fermions in Grid	Mr RICHTMANN, Daniel
17:10	[46] Three Dirac operators on two architectures	Dr DURR, Stephan

Tuesday, 24 July 2018

Algorithms and Machines - 103 (16:10 - 17:10)

time	[id] title	presenter
16:10	[209] Simulating Quantum Chromodynamics coupled with Quantum Electromagnetics on the lattice	LIU, Yuzhi
16:30	[48] Machine learning for multi-scale action matching	Prof. SHANAHAN, Phiala
16:50	[247] $SU(2)$ Lattice Gauge Pair Hopping Constructs Suitable for Implementation on Quantum Computers	Dr DREHER, Patrick

Wednesday, 25 July 2018

Algorithms and Machines - 103 (16:10 - 17:30)

time	[id] title	presenter
16:10	[227] Clover HMC and Staggered Multigrid on Summit/Volta	Dr CLARK, Kate
16:30	[243] OpenCL Library for Computing Disconnected Contributions using FPGAs	Mr YOUSIF, Ahmed
16:50	[111] An AVX512 Extention to OpenQCD	Dr RANTAHARJU, Jarno
17:10	[97] Simulation of dynamical (u,d,s,c) domain-wall/overlap quarks at the physical point	Prof. CHIU, Ting-Wai