36th Annual International Symposium on Lattice Field Theory

Monday, July 23, 2018

Algorithms and Machines - 103 (2:00 PM - 3:40 PM)

time	[id] title	presenter
2:00 PM	[286] Fourier acceleration, the HMC algorithm and renormalizability	Prof. CHRIST, Norman
2:20 PM	[156] Testing a new gauge-fixed Fourier acceleration algorithm	Mr ZHAO, Yidi
2:40 PM	[154] Ensemble Quasi-Newton HMC	JIN, Xiaoyong
3:00 PM	[101] Multilevel integration for meson propagators	Dr NADA, Alessandro
3:20 PM	[269] Multilevel integration for meson propagators: disconnected contributions	Dr HARRIS, Tim

Algorithms and Machines - 103 (4:10 PM - 5:30 PM)

time	[id] title	presenter
4:10 PM	[256] Solving Domain Wall Dirac Equation Using Multisplitting Preconditioned Conjugate Gradient	TU, Jiqun
4:30 PM	[190] Communication-avoiding optimization methods for fermion matrix inverters	STRELCHENKO, Alexei
4:50 PM	[312] Multigrid for Wilson Clover Fermions in Grid	Mr RICHTMANN, Daniel
5:10 PM	[46] Three Dirac operators on two architectures	Dr DURR, Stephan

Tuesday, July 24, 2018

<u>Algorithms and Machines</u> - 103 (4:10 PM - 5:10 PM)

time	[id] title	presenter
4:10 PM	[209] Simulating Quantum Chromodynamics coupled with Quantum Electromagnetics on the lattice	LIU, Yuzhi
4:30 PM	[48] Machine learning for multi-scale action matching	Prof. SHANAHAN, Phiala
4:50 PM	[247] $SU(2)$ Lattice Gauge Pair Hopping Constructs Suitable for Implementation on Quantum Computers	Dr DREHER, Patrick

Wednesday, July 25, 2018

<u>**Algorithms and Machines**</u> **- 103 (4:10 PM - 5:30 PM)**

time	[id] title	presenter
4:10 PM	[227] Clover HMC and Staggered Multigrid on Summit/Volta	Dr CLARK, Kate
4:30 PM	[243] OpenCL Library for Computing Disconnected Contributions using FPGAs	Mr YOUSIF, Ahmed
4:50 PM	[111] An AVX512 Extention to OpenQCD	Dr RANTAHARJU, Jarno
5:10 PM	[97] Simulation of dynamical (u,d,s,c) domain-wall/overlap quarks at the physical point	Prof. CHIU, Ting-Wai