



# The 34th International Symposium on Lattice Field Theory (Lattice 2016)

## Tuesday, July 26, 2016

**Algorithms and Machines - Building 67 Room 1007 (4:30 PM - 6:30 PM)**

-Conveners: Michael Endres

time	[id] title	presenter
4:30 PM	[391] Monte Carlo simulation of $\phi^4_2$ and $O(N), \phi^4_3$ theories	Ms DE PALMA, Barbara
4:50 PM	[17] Monte Carlo methods in continuous time for lattice Hamiltonians	Ms HUFFMAN, Emilie
5:10 PM	[75] Applications of Jarzynski's relation in lattice gauge theories	Mr NADA, Alessandro
5:30 PM	[387] Computing the density of states with the global Hybrid Monte Carlo	Dr PELLEGRINI, Roberto
5:50 PM	[385] Overcoming strong metastabilities with the LLR method	Prof. LUCINI, Biagio
6:10 PM	[366] Metadynamics Remedies for Topological Freezing	Mr SANFILIPPO, Francesco

# Wednesday, July 27, 2016

## Algorithms and Machines - Building 67 Room 1007 (9:00 AM - 11:00 AM)

-Conveners: Mike Peardon

time	[id] title	presenter
9:00 AM	[152] Domain decomposition and multilevel integration for fermions I	SCHAEFER, Stefan
9:20 AM	[150] Domain decomposition and multilevel integration for fermions II	CÈ, Marco
9:40 AM	[246] The DDalphaAMG solver library	Dr ROTTMANN, Matthias
10:00 AM	[34] Adaptive Aggregation-based Domain Decomposition Multigrid for Twisted Mass Fermions	Mr BACCHIO, Simone
10:20 AM	[361] Domain Wall Fermion Simulations with the Exact One-Flavor Algorithm	Mr MURPHY, David
10:40 AM	[37] A simple method to optimize HMC performance	Mr BUSSONE, Andrea

## Algorithms and Machines - Building 67 Room 1007 (11:30 AM - 12:30 PM)

-Conveners: Guido Cossu

time	[id] title	presenter
11:30 AM	[317] Optimization of the Domain Wall Dslash Kernel in Columbia Physics System	Dr LIN, Meifeng
11:50 AM	[190] Algorithms for disconnected diagrams.	Mr GAMBHIR, Arjun
12:10 PM	[10] A method to compute derivatives of functions of large complex matrices	Mr PUHR, Matthias

# Thursday, July 28, 2016

## Algorithms and Machines - Building 67 Room 1007 (2:00 PM - 4:00 PM)

-Conveners: Tilo Wettig

time	[id] title	presenter
2:00 PM	[359] Introduction to the Quantum EXpressions (QEX) framework	Dr OSBORN, James
2:20 PM	[267] Block Solver for multiple right hand sides on NVIDIA GPUs	Dr WAGNER, Mathias
2:40 PM	[259] Accelerating Lattice QCD Multigrid on GPUs Using Fine-grained Parallelization	Dr CLARK, Kate
3:00 PM	[362] Progress Report on Staggered Multigrid	Dr WEINBERG, Evan
3:20 PM	[44] A performance evaluation of CCS QCD Benchmark on Intel Xeon Phi (KNC) systems	Dr ISHIKAWA, Ken-Ichi
3:40 PM	[354] MILC Staggered Conjugate Gradient Performance on Intel KNL	Dr LI, Ruizi