Session Program

26–30 Jul 2021

The 38th International Symposium on Lattice Field Theory

Software development and Machines

Wednesday 28 July

13:00

Software development and Machines
Session | **Convener:** Peter Boyle

13:00–13:15 **Preparing for QUDA 2.0**

Speaker
Kate Clark

13:15–13:30 **Strong scaling RHMC on NVIDIA GPUs**

Speaker
Mathias Wagner

13:30–13:45 **HotQCD on multi-GPUs**

Speaker
Dennis Bollweg

13:45–14:00 **Progress on QDP-JIT: Adding support for AMD GPUs**

Speaker
Frank Winter

14:00–14:15

Large scale dynamical Domain-Wall Fermion simulation on GPUs: Techniques and properties

Speaker
Chulwoo Jung

14:15–14:30

Implementation of the conjugate gradient algorithm for heterogeneous systems

Speaker
Dr Salvatore Cali

14:30–14:45 **Multigrid solver on Fugaku**

Speaker
Dr Kanamori Issaku

14:45–15:00 **Lyncs: a Python API for Lattice QCD**

Speaker
Simone Bacchio

15:00