

Session Program

Aug 8 - 13, 2022



The 39th International Symposium on Lattice Field Theory (Lattice 2022)

Software development and Machines

Hörsaalzentrum Poppelsdorf, Alle Räume
Endenicher Allee 19 C, 52115 Bonn, Germany

Mon, August 8

2:00 PM

Software development and Machines: Software development and Machines I

Session | **Location:** CP1-HSZ, CP1-HSZ/0.002 (CP1-HSZ) - HS4 | **Convener:** Mathias Wagner

2:00 - 2:20 PM **Porting the COLA software library to AMD**

Speaker
Waseem Kamleh

2:20 - 2:40 PM **GPT**

Speaker
Christoph Lehner

2:40 - 3:00 PM **Lyncs-API: status update**

Speaker
Simone Bacchio

3:00 - 3:20 PM **Twisted mass ensemble generation on GPU machines**

Speaker
Dr Bartosz Kostrzewa

3:20 - 3:40 PM **Solvers for Wilson fermions in Grid**

Speaker
Felix Ziegler

4:00 PM

4:30 PM

Software development and Machines: Software development and Machines II

Session | **Location:** CP1-HSZ, CP1-HSZ/0.002 (CP1-HSZ) - HS4 | **Convener:** Bartosz Kostrzewa

4:30 - 4:50 PM **Avoiding the Jam**

Speaker
Mathias Wagner

4:50 - 5:10 PM **MPI Job Manager**

Speaker
Andre Walker-Loud

6:30 PM

Thu, August 11

9:00 AM

Software development and Machines: Software development and Machines III

Session | **Location:** CP1-HSZ, CP1-HSZ/0.002 (CP1-HSZ) - HS4 | **Convener:** Jacob Finkenrath

9:00 – 9:20 AM

Performance Optimization of Baryon-block Construction in the Stochastic LapH Method

Speaker

Phuong Nguyen

9:20 – 9:40 AM

Optimizing Staggered Multigrid for Exascale performance

Speaker

Venkitesh Ayyar

9:40 – 10:00 AM

Running HMC Simulations with Python via QUDA

Speaker

Shuhei Yamamoto

10:00 – 10:20 AM

Maximizing the Bang Per Bit

Speaker

Kate Clark

10:20 – 10:40 AM

Status of reproducibility and open science in hep-lat in 2021

Speaker

Dr Ed Bennett

10:40 – 11:00 AM

Open Science in Lattice Gauge Theory community

Speaker

Andreas Athenodorou

11:00 AM