Quantum Computing Mini-Workshop

Report of Contributions

Contribution ID: **1** Type: **not specified**

Welcome

Wednesday 30 October 2019 09:00 (10 minutes)

Presenters: BAUER, Christian Walter (University of California Berkeley (US)); GRAY, Heather (LBNL)

Contribution ID: **2**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Quantum sensing in ultra-clean optical lattices

Wednesday 30 October 2019 09:10 (30 minutes)

Presenter: MULLER, Holger

Contribution ID: **3**   Type: **not specified**

Particle tracking with annealers and quantum machine learning with Qulacs

Wednesday 30 October 2019 09:50 (30 minutes)

Presenter: SAWADA, Ryu (University of Tokyo (JP))

Contribution ID: 4   Type: **not specified**

Quantum Testbed at Berkeley

Wednesday 30 October 2019 11:00 (30 minutes)

Presenter: SANTIAGO, David

Contribution ID: **5**   Type: **not specified**

Variational Quantum Classification with Qiskit and Developments in Particle Tracking with DWave

Wednesday 30 October 2019 11:40 (30 minutes)

Presenter: DRECHSLER, Eric (Simon Fraser University (CA))

Contribution ID: **6**   Type: **not specified**

Prospects for Discrete, Quantum, and 'Classical' Variational Autoencoders in analysis and synthetic data generation

Wednesday 30 October 2019 14:00 (30 minutes)

Presenter: FEDORKO, Wojtek (University of British Columbia)

Contribution ID: **7**

Type: **not specified**

Natalie Klco

Contribution ID: **8**   Type: **not specified**

LBNL Advanced Quantum Testbed Software Stack

Wednesday 30 October 2019 15:10 (25 minutes)

Presenter: IANCU, Costin (LBNL)

Contribution ID: **9**   Type: **not specified**

Quantum Simulation: from analog protocols to digital quantum algorithms

Wednesday 30 October 2019 14:40 (25 minutes)

Presenter: METCALF, Mekena (LBNL)

Contribution ID: **10**   Type: **not specified**

QAOA for Track Reconstruction

Wednesday 30 October 2019 16:10 (15 minutes)

Presenter: ROHM, Eric (LBNL)

Contribution ID: **11**　　　　　　　　　　　　　　　　Type: **not specified**

SU(2) Gauge Theory on Digital Quantum Computers

Wednesday 30 October 2019 16:30 (20 minutes)

Presenter:　STRYKER, Jesse

Contribution ID: **12**   Type: **not specified**

Dinner at Jupiter

Wednesday 30 October 2019 19:00 (2 hours)