Session Program

25–29 Jan 2019

RIKEN Berkeley Workshop: Quantum Information Science

Quantum machine learning and quantum sensing

LBL-Hill, Building 66- Auditorium
Lawrence Berkeley National Lab Berkeley, California

Saturday 26 January

16:30

Quantum machine learning and quantum sensing

Session | **Location:** LBL-Hill, Building 66- Auditorium, Lawrence Berkeley National Lab Berkeley, California |
Convener: Dr Takumi Doi

16:30–16:55

Quantum circuit learning: a variational quantum algorithm for machine learning

Speaker

Mr Kosuke Mitarai

17:00–17:25

Device Design and Technology Developments for Quantum Sensing Charge-Coupled Devices

Speaker

Dr Stephen Holland

17:30–17:55

Progress Towards sub-eV Phonon and Photon Sensitivity with Athermal Phonon Detector for Light Mass Dark Matter Searches and Other Applications

Speaker

Prof. Matt Pyle

18:00