



2nd Workshop of Machine Learning for Quantum Technology



Website

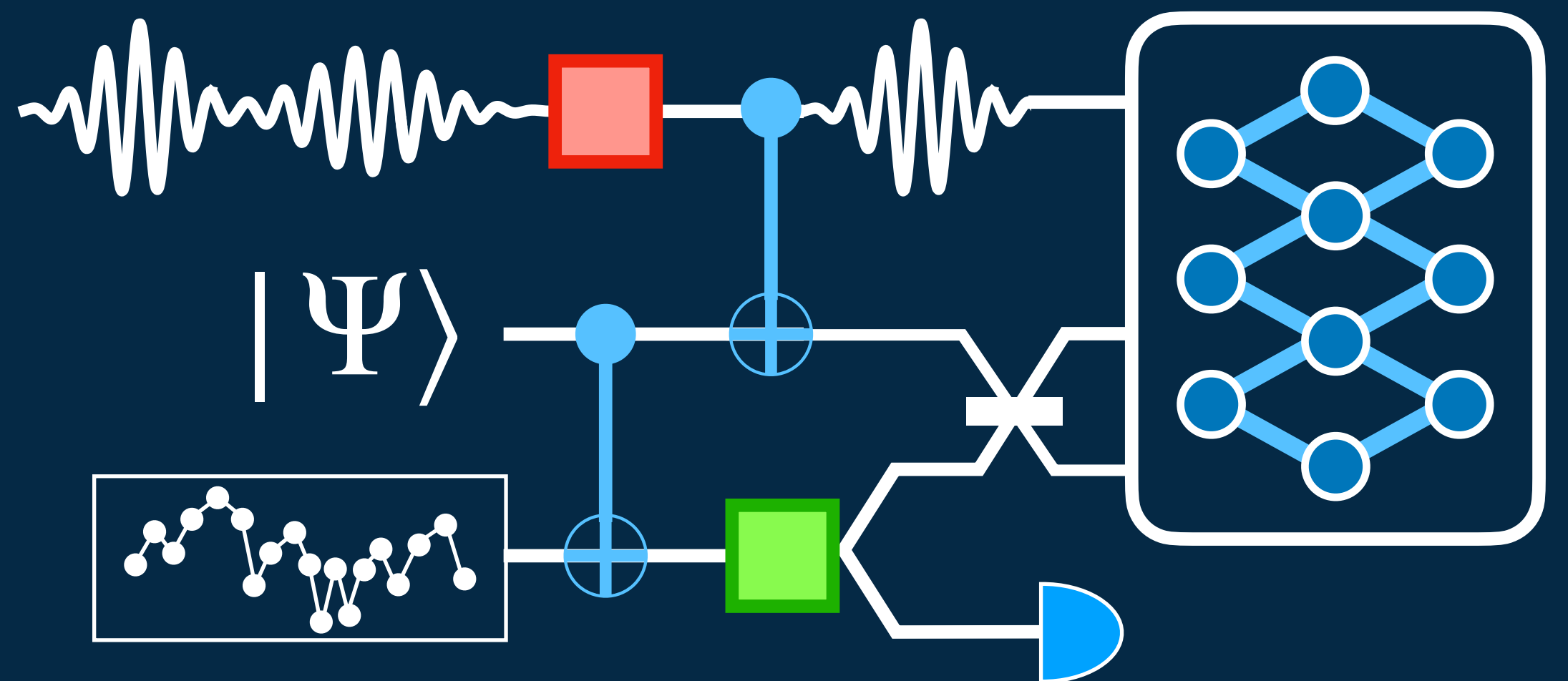
5 November 2024

Tutorials

6- 8 November 2024

Scientific talks

Max Planck Institute for the Science of Light, Erlangen, Germany



Important dates

6 Sept: Application deadline

13 Sept: Acceptance notification

Topics

Classical AI/ML for parameter estimation, device calibration, discovery of setups, feedback strategies, quantum computing, simulation, communication and sensing, neural quantum states
Interconnections of quantum ML and classical ML

Lecturers (Nov 5)

Eliška Greplová (Delft U. Tech.):

Condensed matter with ML

Marín Bukov (MPI-PKS):

Reinforcement Learning

Roger Melko (U. Waterloo & PI):

Autoregressive models

Invited speakers

Monika Aidelsburger (LMU)

Johannes Bausch (Google DeepMind)

Annabelle Bohrdt (U. Regensburg)

Hans Briegel (U. Innsbruck)

Marín Bukov (MPI-PKS)

Giuseppe Carleo (EPFL)

Vedran Dunjko (Leiden U.)

Christopher Eichler (FAU)

Mats Granath (U. Gothenburg)

Eliška Greplová (Delft U. Tech.)

Markus Heyl (U. Augsburg)

Anton Frisk Kockum (Chalmers U. Tech.)

Mario Krenn (MPL)

Roger Melko (U. Waterloo & PI)

Evert van Nieuwenburg (Leiden U.)

Markus Schmitt (U. Regensburg & FZ Jülich)

Jonas Schuff (U. Oxford)

Fabio Sciarrino (U. Rome "La Sapienza")

Volodymyr Sivak (Google Quantum AI)

Giacomo Torlai (AWS)

Simon Trebst (U. Koeln)

Christof Weitenberg (U. Hamburg)

Organizers

Florian Marquardt, Jan Olle

Matteo Puviani, Oleg Yevtushenko

Remmy Zen, Sangkha Borah