Session Program

19–24 Nov 2023

Quantum Techniques in Machine Learning (QTML conference 2023)

Architectures for QML 1

CERN, 500/1-001 - Main Auditorium

Tuesday 21 November

09:00

Architectures for QML 1
Session | **Location:** CERN, 500/1-001 - Main Auditorium | **Convener:** Oriel Orphee Moira Kiss

09:00–09:15
Time-series quantum reservoir computing with weak and projective measurements

Speaker
Pere Mujal

09:15–09:30 Let Quantum Neural Networks Choose Their Own Frequencies

Speaker
Ben Jadeberg

09:30–09:45 Extending Graph Transformers with Quantum Computed Aggregation

Speaker
Slimane Thabet

09:45–10:00
Hierarchical quantum circuit representations for neural architecture search

Speaker
Matt Lourens

10:00–10:15 QResNet: a variational entanglement skipping algorithm

Speaker
Giulio Crognaletti

10:15–10:30 A General Approach for Dropout in Quantum Neural Networks

Speaker
Francesco Scala

10:30–10:45
Applying Genetic Algorithms to Optimize the Generalization Ability of Variational Quantum Circuits

Speaker
Darya Martyniuk

10:45