



Contribution ID: 532

Type: **not specified**

## Quantum Machine Learning for Africa (QML4Africa)

*Sunday, 30 November 2025 13:30 (1h 30m)*

Quantum machine learning (QML) is an exciting new field of study which harnesses the laws of quantum mechanics and applies it to classical machine learning models. QML has a wide variety of potential applications spanning many fields which include healthcare and life sciences, climate and sustainability, finance and optimization. Two parallel activities have emerged to pioneer the field of quantum discoveries: one is the technological advancements required (hardware, software and algorithms) and the other is the rapid exploration of domain-specific problems towards identifying quantum advantage over classical methods. In this workshop, we will provide the participants with an introduction to QML from a theoretical perspective, as well as a practical implementation of the Qiskit programming SDK.

**Presenting Author**

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**Student or Postdoc?**

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**Registered for the conference?**

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**Session Classification:** Workshop

**Track Classification:** Quantum Computing