



Contribution ID: 10

Type: **not specified**

Key skills: Quantum Computing

Monday 5 February 2024 15:15 (1h 15m)

In this lecture, we will provide an overview of the most important concepts in quantum computing. Starting from an introduction to elementary quantum gates, we will analyze how these can be combined into algorithms with the promise to speed up calculations compared to their classical counterparts. This will be followed by a brief overview of the most promising platforms for the implementation of a universal quantum computer and developments in the current noisy intermediate-scale quantum (NISQ) era.

Chair: Dieter Horns

Presenter: SCHLAWIN, Frank (MPSD)