

VIDEO Workshop

Quantum Computing and Quantum Sensors

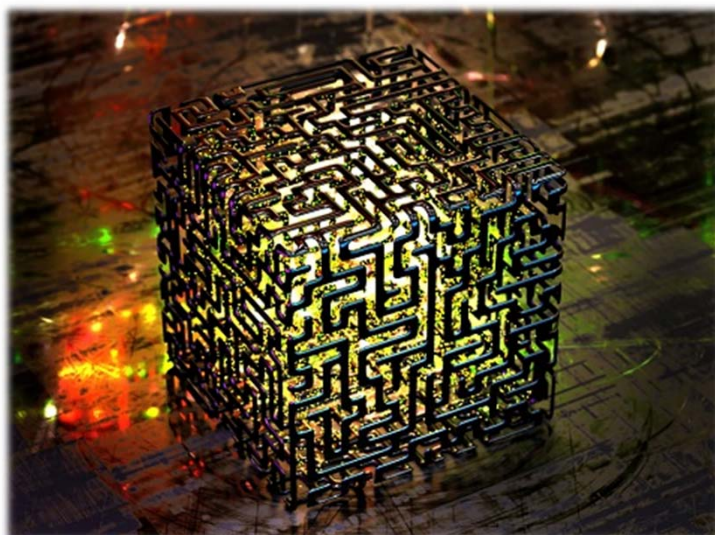
Introduction – Application – Hands-On – Discussion.

Tuesday, 11 August, 2020 **15:30 h Presentations**

Tuesday, 18 August, 2020 **13:30 h Hands-On**
15:00 h Presentations

Quantum Technologies are one of the most ambitious technological goals of science today. With the so-called Quantum Advantage these novel technologies are working on completely different principles than classic technology. They have the potential to solve the challenges in our future projects, to change the way how we perform our science research and to maximize the achievable success. Quantum Technologies demand for a rethinking of our methods, pioneering work improves already now our classical methods.

The workshop concentrates on Quantum Computing and on Quantum Sensors and their applications. It features introductory lectures as well as reports about ongoing activities. In addition a hands-on session with access to a quantum computer is organized.



Confirmed Speakers:

**Martin Savage (INT Washington), Lena Funcke (Perimeter Institute),
Maria Schuld (Xanadu, Uni KwaZulu-Natal), Alberto Di Meglio (CERN Openlab),
Asimina Arvanitaki (Perimeter Institute), Dmitry Budker (Helmholtz Institute Mainz, JGU)**

Please note: This is a VIDEO Workshop

The developing agenda with the connection details and instructions for the hands-on exercise can be found at <https://indico.desy.de/indico/event/26672/>

Organizer: FH – QT Task Force

Kerstin Borrás, Volker Gülzow, Cigdem Issever, Karl Jansen, Dirk Krücker, Steven Worm, Hubert Simma