

Quantum Technologies Overview Course

20.01.2023

Time	Topic	Lecture
9:00 am	Welcome & Introduction	
9:45 am – 10:30 am	Basics: What is Quantum?	Björn Ladewig
Coffee Break		
10:45 am – 11:15 am	Quantum Computing and Simulation: The potential of quantum computing	Dr. Judith Gabel
11:15 am – 12:15 pm	Quantum Computing and Simulation: Reality and future prospects of quantum computing	Dr. Judith Gabel
12:15 pm – 1 pm	Lab Tour	
Lunch Break		
2:15 pm – 3 pm	Quantum Communication: How will cryptography change in the future?	Dr. Lukas Sigl
3 pm – 3:45 pm	Quantum Sensing: a quantum technology already utilized	Dr. Lukas Sigl
Coffee Break		
4 pm – 4:15 pm	Summary	
4:15 pm – 6 pm	Networking with experts from the Munich universities, hands-on quantum experiments, VR lab tour	