

# Quantum Computing in One Day for Engineers and Scientists: Fundamentals and Applications

21.07.2023

Time	Topic
9:00 am – 9:45 am	Welcome & Introduction
9:45 am – 10:30 am	Basics: What is a Qubit?
10:30 am – 10:45 am	Hands-On Quantum Experiments: A Single-Qubit Quantum Circuit
<b>Coffee Break - Networking - Quantum Experiments</b>	
11:15 am – 12:00 pm	Unlocking the Power of Quantum Computing: An Introduction to Quantum Algorithms
12:00 pm – 12:15 pm	Q & A Session
<b>Lunch Break - Networking - Quantum Experiments</b>	
1:30 pm – 2:10 pm	Quantum Computing in Practice: A Reality Check
2:10 pm – 2:20 pm	Hands-On Quantum Computing: Running Programs on Real Quantum Devices
2:30 pm – 3:30 pm	Lab Tour
<b>Coffee Break - Networking - Quantum Experiments</b>	
4:00 pm – 4:40 pm	A Look Ahead: Roadmap and Future Prospects of Quantum Computing
4:40 pm – 5:00 pm	NISQ-Era Quantum Computing: Exploring an Optimization Use Case
5:00 pm – 5:30 pm	Quantum Simulation: An Alternative Route to Quantum Advantage
5:30 pm – 6:00 pm	Q & A Session