



UTC-N QUANTUM HUB

Training Session in Quantum Basics

20-23 May 2025

Location: Technical University of Cluj-Napoca (Online and On-site)

Agenda:

Date and time	Topics	Trainer
Tuesday, May 20, 19:00	 Introduction. Qubit and Single Qubit Gates Single Qubits Bases, Operators and Measurements Gates 	Lecturer Cristian Codău
Wednesday, May 21, 19:00	 2. Multiple Qubits and Universality Systems with Multiple Qubits Universal Gates 	Professor Tudor Palade
Thursday, May 22, 20:00	 3. Entanglement and Quantum Teleportation Entanglement Generation of Bell States Quantum Teleportation 	Assistant Rareș Buta
Friday, May 23, 19:00	 4. Quantum Cryptography Introduction to Quantum Key Distribution (QKD) QKD protocols Applications and Emerging Quantum Technologies 	Lecturer Andra Pastrav

Certificate of Participation: A certificate will be provided upon completion of a short quiz at the end of the training.

Registration open until May 19, 15:00: https://forms.office.com/e/7VHTBvcZ1K

