

TRAINING EVENT

Quantum Key Distribution (QKD) and Cyber Security

AGENDA

4 SEPTEMBER, 2024

Programme of the 3rd Training Event on Quantum Key Distribution (QKD) and Cyber Security

09:00 – 09:30	Registration
57498543213203 5m 73545411320	Opening Remarks
5462132123154 5m ₆₈₄₃₅₇₉₄₇₉₅	Overview of the Two-Day HellasQCI Training
10m 5462132123	Welcoming Remarks by the European Commission
45m 7584585621	Keynote speech
10m 465462132	HellasQCI project overview and synergies with EuroQCI Dr. Ilias Papastamatiou, HellasQCI Project Coordinator
10:45 – 11:00	Coffee Break
20m	Why QKD?
20m (2 x 10)	EuroQCI Projects PETRUS Nostradamus
1h 20m	National QCIs (panel) QCI-CAT (Austria) CYQCI (Cyprus) Lux4QCI (Luxembourg) PRISM (Malta) Pionier-Q (Poland) PTQCI (Portugal) RoNaQCI (Romania)
13:00 – 14:00	Lunch break
20m	QKD Architecture: Quantum Layer
20m	QKD Architecture: Key Management Layer



























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20m	QKD Architecture: Application Layer
60m 35454 11320 5462 132 123	Space session
16:00-16:15	Coffee Break
60m	Business session / Commercial solutions Single Quantum ThinkQuantum
17:15	End of day 1















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5 SEPTEMBER, 2024

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09:30 30m	Introduction to PQC, PQC Transition
30m	Authentication in QKD
45m 462132123	"Demo of QKD Networks"
11:15 – 11:30	Coffee Break
45m	Extracting and Managing Keys from the QKD (lab) Using AES 256 and Pseudo-OTP for File Encryption (lab)
45m	QKD-PQC: Securing Key Transfers for Application Layer Utilization
13:00 – 14:00	Lunch break
45m	Polarization encoded QKD
20m	Demonstration
45m	HellasQCI Use Cases / Cybersecurity
16:00	End of Day 2















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