EUROPEAN INFORMATION TECHNOLOGIES CERTIFICATION INSTITUTE, ASBL.

Brussels, Belgium, European Union

CERTIFICATE

Christian Brebeck

Has successfully completed test requirements of
The European Information Technologies Certification Programme

EITC/IS/QCF Quantum Cryptography Fundamentals

Certification Programme examination result: 73.33%

(updated in January 2025)

Certification Programme description:

Introduction: Introduction to Quantum Key Distribution; Quantum information carriers: quantum systems, composite quantum systems; Entropy: classical entropy, quantum entropy; Quantum Key Distribution: prepare and measure protocols; Entanglement based Quantum Key Distribution: entanglement based protocols; Error correction and privacy amplification: classical post-processing; Security of Quantum Key Distribution: security definition, eavesdropping strategies, security of BB84, security via entropic uncertainty relations; Practical Quantum Key Distribution: QKD - experiment vs. theory, Introduction to experimental quantum cryptography, quantum hacking

Certificate Programme version/revision: EITC/IS/QCFv2r1

CERTIFICATE ID: **EITC/IS/QCF/FXR25004422**

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