

CURAÇAO
QUANTUM
SAFE

CURAÇAO QUANTUM SAFE TRAINING QUANTUM WEEK

1.5 days from cryptography fundamentals to your first Cryptographic Baseline Assessment. What quantum computing breaks, where cryptography sits in an organisation, and how you assess it.

CRYPTOGRAPHY FUNDAMENTALS · POST-QUANTUM IN PRACTICE · HANDS-ON ASSESSMENT

6 & 7 NOVEMBER 2026

Friday & Saturday · University of Curaçao

Friday 08:45 – 16:30 | Saturday 09:00 – 12:30

YOUR TRAINERS

Prof. Dr. Christian Schaffner
University of Amsterdam

Dimitri van Esch
Eoncore

PARTICIPANTS
Maximum 20

FEE
\$550, special rate ISACA
members \$400

LANGUAGE
English

Register via shop.tickets.cw/quantum-safe-training



Sociaal-Economische
Raad Curaçao



Grant Thornton



ISACA
Curaçao Chapter



CIFA
CIBC



VOC



CURAÇAO
QUANTUM SAFE
COALITION



Ministry of
Economic
Development



Regulatory
Authority
of Curaçao



BLUENAP AMERICAS



UNIVERSITY
OF CURAÇAO

THE TRAINING

From cryptography to assessment

After this training you can work as a crypto consultant in a Cryptographic Baseline Assessment (CBA): read an inventory, interview a board, test their answers against scan data, prioritise with Mosca's theorem and give one piece of advice an organisation can act on tomorrow.

01

Understand cryptography

Security goals, symmetric and public-key cryptography, signatures and PKI. What a quantum computer breaks (RSA, ECC) and what it does not (AES).

02

Know PQC from the inside

Lattices at intuition level, ML-KEM, ML-DSA and SLH-DSA, hybrid constructions. QKD done right and how to combine it with PQC.

03

See where crypto lives

HTTPS, email, SSH, VPN, DNS and e-signing: where the crypto sits and what PQC changes. Nine security domains, from firewall to HSM.

04

Run a CBA yourself

Inventory, Crypto Maturity Baseline, interviews with an AI-driven board, Mosca prioritisation and one quick win, on a realistic bank case.

1.5
days

6
sessions

8+
hours of content

1
bank to assess

WHO SHOULD ATTEND

Sectors

Financial sector, government, telecom, data centres, cybersecurity and other critical infrastructure

Roles

IT and security professionals, auditors, risk and compliance officers, consultants. No cryptography background required.

PROGRAMME

Theory in the morning, practice after

DAY 1**Friday 6 November**

08:45 – 16:30

08:45

Walk-in and registration

09:00 – 09:15

UoC / CQSF

Opening

09:15 – 10:45

Prof. Dr. Christian
Schaffner**Cryptography I: the foundation**

Security goals, Kerckhoffs' principle, symmetric vs public-key, Diffie-Hellman, signatures and PKI, what 128-bit security means.

11:00 – 12:30

Prof. Dr. Christian
Schaffner**Cryptography II: post-quantum cryptography from the inside**

Shor, Grover and harvest-now-decrypt-later. Lattices at intuition level, KEM vs Diffie-Hellman, ML-KEM, ML-DSA, SLH-DSA, hybrid.

13:30 – 15:00

Dimitri van Esch

PQC in practice: protocols and impact

HTTPS, mail, SSH, VPN, DNS and e-signing: where the crypto sits and what PQC changes. Hands-on with a packet capture.

15:15 – 16:00

Dimitri van Esch

The cybersecurity landscape

Nine domains and their building blocks (firewall, WAF, SOC, SIEM, IDS/IPS, PKI, HSM), where the crypto sits, the frameworks. Live demo: post-quantum encrypted e-mail.

16:00 – 16:30

Wrap-up and Q&A

Case pack handed out, pairs formed.

Evening**Homework (~45 min)**

Read the case pack and complete the Crypto Maturity Benchmark for CuraBank N.V.

DAY 2**Saturday 7 November**

09:00 – 12:30

09:00 – 10:30

Prof. Dr. Christian
Schaffner**Cryptography III: cryptography in the real world**

Known breaks, randomness, side channels and downgrades. QKD done right and combined properly with PQC, hybrid constructions, crypto-agility.

10:45 – 12:15

Dimitri van Esch, with
Prof. Dr. Christian
Schaffner**Cryptographic Baseline Assessment in practice**

In pairs: interview the AI-driven board of CuraBank N.V. Bank, test their claims against scan data, deliver a Mosca top 5 and one quick win.

12:15 – 12:30

UoC / CQSF

Closing and certificates of participation

THE CASE

CuraBank N.V.

A fictional bank in Willemstad, built to be realistic. You get an incomplete case pack and real scan data. What is missing, you get from the board: CEO, CIO, CTO and CISO, played by AI in Eon Center, each with a limited question budget. The gap between what they say and what the scan shows is your finding.

1,450
employees

\$6.8 bn
balance sheet (USD)

5
entities: Curaçao, Sint Maarten,
Aruba, Bonaire, Amsterdam

4
board members
to interview

YOUR TRAINERS

Prof. Dr. Christian Schaffner

Professor of Theoretical Computer Science and world-leading expert in quantum cryptography at the University of Amsterdam.

Dimitri van Esch

Eoncore. Builds post-quantum cryptography products and runs Cryptographic Baseline Assessments.

PRACTICAL

WHEN

Fri 6 Nov 08:45 – 16:30
Sat 7 Nov 09:00 – 12:30

WHERE

University of Curaçao

BRING

Laptop with a browser;
Wireshark for the lab

LANGUAGE

Materials in English

CERTIFICATE

Certificate of participation



FEE AND REGISTRATION

Register via
shop.tickets.cw/quantum-safe-training
or scan the QR-Code

This training is the pilot for a Curaçao Quantum Academy. Lecturers of the University of Curaçao teach along. These subsidised rates are made possible by the collaboration between CQSF and the Quantum Gateway Foundation (NL). Value of this course in Europe is Euro 2200,- Curaçao Quantum Week 2026 is made possible through the collective support of our partners, sponsors and participating experts, helping Curaçao move from quantum awareness to quantum readiness.