

QCI.DK Workshop

Securing the Future: Quantum Key Distribution for Enterprises and Governments

Join industry professionals and technology leaders at this exclusive workshop to gain a competitive edge in **Secure Quantum Communication**. Organized by the experts behind the Danish Quantum Communication Infrastructure – QCI.DK



Tuesday, 5 November 2024, 8.30 - 17.00



Copenhagen, A.C. Meyers Vænge 15
AAU Conference Hall



Participation is free, but seats are limited



Sign up now!

<https://qci.dk/workshop-registration>

Deadline: 31 October 2024



Info & Register

Workshop Program

08.30 – 09.00 **Gathering with light breakfast and coffee**

Overview of QKD Technology

- 09.00 – 09.15 **Welcome and introduction**
Tobias Gehring, Associate Professor, DTU Physics
- 09.15 – 09.45 **Introduction to quantum computing: Why do we need QKD?**
Shan Shan, Associate Professor, SDU
- 09.45 – 10.15 **What is QKD and how does it work?**
Michael Galili, Associate Professor, DTU Electro
- 10.15 – 10.30 **QKD live demonstration: Introduction and startup**
- 10.30 – 11.00 **Coffee break**

The Danish QCI

- 11.00 – 11.15 **QCI.DK - Project overview and objectives**
Tobias Junicke, Senior Project Manager, DTU Physics
- 11.15 – 11.45 **The QCI.DK network**
Tobias Gehring, Associate Professor, DTU Physics
- 11.45 – 12.15 **Progress and lessons learned from HellasQCI – Greece**
Ilias Papastamatiou, Project Coordinator, HellasQCI
- 12.15 – 12.30 **Discussion / Question & Answers**
- 12.30 – 13.30 **Lunch break**

Case Studies and Use Cases

- 13.30 – 14.00 **Quantum enhanced security use-cases for next-gen infrastructures**
Tommaso Occhipinti, CEO, QTI SRL
- 14.00 – 14.15 **The Sparrow Quantum single photon source:
Status and outlook for quantum communication applications**
Kurt Stokbro, CEO, Sparrow Quantum
- 14.15 – 14.30 **QKD from a networking company perspective**
Mads Friis Frand-Madsen, Quantum Engineer, GlobalConnect
- 14.30 – 14.45 **EnergiNet – Fraugde field tests and QKD perspectives**
Thomas Wisbech, Technologist, Energinet
- 14.45 – 15.00 **Group photo**
- 15.00 – 15.30 **Coffee break**

Integration Challenges and Solutions

- 15.30 – 15.45 **Overview of QKD solutions available on the market**
Nitin Jain, Special Consultant, DTU Physics
- 15.45 – 16.15 **Challenges and solutions from a network operators' perspective**
Cathrine White, Research Manager, British Telecom
- 16.15 – 16.30 **Implementing QKD into existing systems in an affordable way**
Dev Null, QKD Network Engineer, DTU Physics
- 16.30 – 17.00 **Key takeaways and closing of the event**