

Agenda – Day 1

Thursday, 16. October 2025 – Executive track

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- 12:00 Registration and arrival
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- 13:00 Opening
- 13:30 State of play: secure communication today
(Dr. Felix Wissel, Deutsche Telekom Geschäftskunden GmbH)
- 13:50 Q-Day: quantum computing threat to cryptography
(Christoph Gräbnitz, Fraunhofer AISEC)
- 14:10 Advancing to a Fault-tolerant Quantum Computer – Opportunities and Risks
(Dr. Heike Riel, IBM)
- 14:30 Progress in AI
(Dr. Edeltraud Leibrock, Roland Berger GmbH)
- 14:50 Can AI crack cryptography?
(Imran Khan, KEEQuant GmbH)
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- 15:00 Coffee break & industry exhibition
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- 15:30 Business impact of migration to quantum-safe
(Dr. Ulrich Seyfarth, BearingPoint GmbH)
- 15:40 Preparing for the quantum era
(Daniel Goß, Bundesagentur für Arbeit)
- 16:00 IT security at Bundesbank in the age of the quantum computer
(Thomas Kraus, Deutsche Bundesbank)
- 16:20 Solution: Post-Quantum Cryptography
(Dr. Helmut Grieser, Adva Network Security)
- 16:40 Solution: Quantum Key Distribution
(Dr. Kevin Fuchsel, Quantum Optics Jena GmbH)
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- 17:00 Coffee break & industry exhibition
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- 17:30 Panel discussion: What is necessary until Q-day?
(Dr. Oliver Muth (Bundesdruckerei Gruppe GmbH), Daniel Goß (Bundesagentur für Arbeit), Dr. Felix Wissel (Deutsche Telekom), Prof. Dr. Christoph Marquardt (FAU Erlangen), Thomas Kraus (Deutsche Bundesbank))
- 18:00 Start small/smart – think big: migration to quantum safe
(Thomas Lebeth, dacoso GmbH)
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- 18:30 Networking reception (on-site)
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QUANTUM OPTICS
JENA



SQuaD
Schirmprojekt Quantenkommunikation Deutschland



Deutscher Industrieverbund
für Quantensicherheit

Agenda – Day 2

Friday, 17. October 2025 – Technical track

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- 8:30 Registration and arrival
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- 9:00 Showcase 1: Migration to quantum key distribution (QKD)
(Robin Boehn, Deutsche Telekom Technik GmbH)
- 9:30 Showcase 2: Migration to quantum-safe solutions at BWI (PQC)
(Dr. Maja Kierdorf & Martin Zauchner, BWI GmbH)
- 10:00 Exhibitor Tech/Solutions presentations
(Quantum Optics Jena GmbH, KEEQuant GmbH, BearingPoint GmbH, QuKommln)
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- 10:30 Coffee break & industry exhibition
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- 11:00 PQC deep-dive & NIST standardization
(Prof. Dr.-Ing. Christof Paar, Max-Planck-Institute for Security and Privacy)
- 11:30 Experience in QuNET – Transmitting IDs – Bundesdruckerei use case
(Dr.-Ing. Nicolas Perlot, Fraunhofer Heinrich-Hertz-Institut)
- 12:00 Tech Talk: Hybridization, crypto-agility and symmetric key infrastructure
(Dr. Daniel Minder, evolutionQ GmbH)
- 12:30 From research to application: Integrated photonics for quantum applications
(Mathias Kaschel, IMS Chips)
- 13:00 Farewell & Time for discussions & industry exhibition

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