

Join us at the QKD Days Madrid 2022

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“On the Road to Large QKD Networks in Europe” *Agenda Day 1*

Wednesday, December 14th (on-site), all times CET

Location: E.T.S.I. Mines and Energy: Salon de Actos, Calle Ríos Rosas 21, Madrid, Spain

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| 08:45–09:15 | Registration |
| 09:15–09:25 | Welcome
<i>Hannes Hübel (AIT Austrian Institute of Technology)</i> |
| 09:25–09:40 | The EuroQCI Initiative
<i>European Commission</i> |
| 09:40–10:15 | An Ecosystem view on European QKD
<i>Johanna Sepúlveda (Airbus Defence and Space)</i>
<i>Felix Wissel (Deutsche Telekom)</i> |
| 10:15–11:00 | Presentations of Selected National EuroQCI Networks
The Madrid OpenQKD Network
and the Spanish Quantum Communications Program
<i>Vicente Martin (Universidad Politécnica de Madrid)</i>
Italy for EuroQCI: the Italian Quantum Communication Infrastructure
QUID (Quantum Italy Deployment)
<i>Davide Calonico (INRIM – Italian National Institute of Metrology Research)</i>
HellasQCI Project: QKD Technologies and Use-cases
<i>George Kanellos (National and Kapodistrian University of Athens)</i> |
| 11:00–11:30 | Round-table Discussion: EuroQCI – From Vision to Implementation
<i>with speakers of the previous session; moderated by Hannes Hübel, AIT</i> |
| 11:30–12:00 | Coffee Break |
| 12:00–12:15 | Key Management in QKD Networks
<i>Juan Pedro Brito (Universidad Politécnica de Madrid)</i> |
| 12:15–12:35 | Existing Networking Devices and Encryptors Solutions Compatible
with Existing QKD Technology Solutions
<i>Piotr Rydlichowski (Poznan Supercomputing and Networking Center)</i> |
| 12:35–13:00 | QKD Standardization and certification
<i>Martin Ward (Toshiba Europe)</i> |
| 13:00–14:15 | Lunch break & Group photo |
| 14:15–14:30 | Security of QKD from BSI's perspective
<i>Tobias Hemmert (BSI – Federal Office for Information Security, Germany)</i> |
| 14:30–14:45 | Hybrid Key Exchanges for End-to-End Security
<i>Sebastian Ramacher (AIT Austrian Institute of Technology)</i> |
| 14:45–15:15 | Round-table Discussion: Network Integration
<i>with speakers of the previous session; moderated by Vicente Martin, UPM</i> |
| 15:15–16:30 | Presentations by QKD Manufacturers
<i>ID Quantique, ID Quantique Europe, Toshiba Europe, LuxQuanta, QTI,
ThinkQuantum and KEEQuant</i> |
| 16:30–17:00 | Round-table Discussion with QKD Manufacturers
<i>moderated by Eleni Diamanti, CNRS</i> |
| 17:00–19:00 | Get-Together / Reception |

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“Industry Day” Agenda Day 2

Thursday, December 15th (on-site incl. stream), all times CET

*Location: Higher Technical School of Industrial Engineering UPM: Salas C and D
Calle de José Gutiérrez Abascal 2, Madrid, Spain*

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|-------------|--|
| 09:00–09:30 | Registration |
| 09:30–09:50 | A Blueprint for Building Quantum Telco Services
<i>Juan Carlos García (SVP Technology Innovation and Ecosystems Telefónica S.A.)</i> |
| 09:50–10:05 | QKD Primer
<i>Jean-Robert Morax (ID Quantique)</i> |
| 10:05–10:20 | Proposal for a Geostationary QKD Payload
<i>Pedro Pintó (HISPASAT)</i> |
| 10:20–10:35 | QKD Challenges to meet Banking Requirements
<i>Jaime Gomez (Banco Santander)</i> |
| 10:35–11:05 | Coffee break |
| 11:05–11:50 | Presentations of QKD Use-case Demonstrations
Quantum Secured Genomics
<i>Armando Pinto (Instituto de Telecomunicações)</i>
QGeKO: Quantum Secure Distribution of Precise GNSS Keys and Orders
<i>Fernando Labarga (GMV)</i>
Protecting the Port of the Future: Securing Critical Infrastructure with QKD
<i>Ingrid Romijn (Q*Bird)</i> |
| 11:50–12:30 | Round-table Discussion - Industry Vision
<i>with: HIPASAT, Banco Santander, Instituto de Telecomunicações, GMV, Q*Bird and INDRA;</i>
<i>moderated by Diego Lopez, Telefónica</i> |
| 12:30–14:00 | Lunch Break & Group Photo |
| 14:00–14:15 | European QKD Ecosystem
<i>Simone Capeleto (Quantum Industry Consortium / ThinkQuantum)</i> |
| 14:15–14:30 | Status and Plans of QKD Technologies in South Korea
<i>Dong-Hi Sim (SK Telecom / NIA National Information Society Agency)</i> |
| 14:30–14:45 | Implementation and Use case of QKD Network in Japan
<i>Hideaki Sato (Toshiba)</i> |
| 14:45–15:20 | Round-table Discussion - Industrialisation of QKD
<i>with: QuIC, SK Telecom, Toshiba, CIPHERBIT (Grupo Oesía), Rohde & Schwarz and Huawei Technologies Duesseldorf;</i>
<i>moderated by Andreas Poppe, ID Quantique Europe</i> |
| 15:20–15:30 | Wrap-up and Closing |

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