QUANTUM COMMUNICATION NETWORKS
26.FEB.

PTQCI

PORTUGUESE
QUANTUM COMMUNICATION INFRASTRUCTURE

DAY 1

Check-in	1:30PM

WELCOME — Institutional	2PM

Moderator: Nelson Muga

Paulo Jorge Ferreira (Rector of the Universidade de Aveiro)
José Carlos Pedro (Instituto de Telecomunicações)
Ana Margarida Almeida (Altice Labs)
Mário Campolargo (Secretary of State for Digitalisation and Administrative Modernisation of Portugal)
Nuno Borges de Carvalho (Director of DETI at the Universidade de Aveiro)
Almirante Gameiro Marques (GNS Gabinete Nacional de Segurança)
Armando Nolasco Pinto (Universidade de Aveiro and Instituto de Telecomunicações)

Quantum Key-Distribution Networks and Services	2:45PM

Armando Nolasco Pinto (Universidade de Aveiro and Instituto de Telecomunicações)

The EuroQCI Initiative — European Perspective	3PM

Sebastian Ramacher (AIT Austrian Institute of Technology - Austria) - "The EuroQCI Initiative"

Defense Initiatives	3:15PM

Pietro Paglierani (CMRE Centre for Maritime Research and Experimentation / NATO) "Quantum Science and Technology for defense and security at CMRE"
Teun van der Veen (TNO - Netherlands) - "Military Application of Quantum Technology"

Coffee-break + Poster + Exhibition	3:45PM

National Initiatives	4:30PM

Moderator: Nuno Ávila

Catarina Bastos (Deimos Engenharia - Portugal)
Vicente Martín (UPM Universidade Politécnica de Madrid - Spain)
Sebastian Ramacher (AIT Austrian Institute of Technology - Austria)
Mehdi Namazi (Qunnect Inc. - USA)
Ilias Papastamatiou (GRNET Greek Research and Technology Network - Greece)
Valéria Loureiro da Silva (Centro de Competência Embrapii em Tecnologias Quânticas - Brazil)
Pierre Müller (Lux4QCI and SES Techcom - Luxembourg)
Alin-Bogdan Popa (UPB University Politehnica of Bucharest - Romania)

Poster Session + Industrial Exhibition	6PM

Closing	7PM

WORKSHOP
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universidade de aveiro

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Co-funded by the European Union

EuroQCI

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DAY 2

Technical Session	9AM

Moderator: Armando Nolasco Pinto

9:00 am: Vicente Martín (UPM Universidad Politécnica de Madrid - Spain) - "Toward Large QKD networks"

9:15 am: Valéria Loureiro da Silva (Embrapii Cimatec Center for Quantum Technologies - Brazil) - "QUIIN – Brazilian initiative on QKD"

9:30 am: Sebastian Ramacher (AIT Austrian Institute of Technology - Austria) - "Hybrid cryptographic protocols and applications"

9:45 am: Davide Rusca (Universidad de Vigo - Spain) - "Fast quantum communication with implementation security"

10:00 am: Mehdi Namazi (Qunnect Inc. – USA) - "Full automation of high rate entanglement distribution networks"

Coffee-break + Poster Session + Industrial Exhibition	10:30AM

Technical Session	11:15AM

Moderator: Nuno Silva

11:15 am: Remon Berrevoets (Q*Bird - Netherlands) - "Secure and scalable Multi-node to multi-nodeQuantum networks"

11:25 am: Alessandra Matteis (Quantum Telecommunications Italy) - "Discrete Variables QKD systems in real world scenarios"

11:35 am: Kevin Fuechsel (Quantum Optics Jena - Germany) - "Entanglement-based Quantum Key Distribution"

11:45 am: Domenico Tulli (Quside - Spain) - "Scalable Photonic Integrated QRNGs for advanced solutions"

11:55 am: Simone Capeleto (Thinkquantum - Italy) - "Space and terrestrial challenges in the euroQCI Program"

12:05 pm: Sebastian Ecker (qtlabs - Austria) - "Bridging terrestrial and space QCIs"

12:15 pm: Sebastian Etcheverry (LuxQuanta - Spain) – "Continuous variable QKD technology"

12:25 pm: Christoph Pacher (fragmentiX Storage Solutions GmbH - Austria) - "Secret Sharing and Trusted Nodes for QKD Networks"

Lunch	12:45PM

Technical Session	2:30PM

Moderator: Catarina Bastos

2:30 pm: Emmanuel Zambrini – (Instituto de Telecomunicações - Portugal) - "Quantum Communication Activities at the QuLab"

2:45 pm: Manfred Niehus (ISEL Instituto Superior de Engenharia de Lisboa - Portugal) - "Towards the PTQCI Ground station simulator"

3:00 pm: Preeti Yadav (IST Instituto Superior Técnico - Portugal) - "Side-channel attacks on QKD implementations"

3:15 pm: Rui Calé (Altice Labs and Deimos - Portugal) - "Software-Defined multivendor QKD Network – A futureproof QCI"

3:30 pm: Bruno Gonçalves (Warpcom - Portugal) - "Portuguese QKD Deployment Use Cases"

3:45 pm: Carlos Pires (Instituto Português da Qualidade - Portugal) - "Secure time dissemination"

4:00 pm: Luís Magalhães (Adyta - Portugal) - "PTQCI - Security Evaluation"

4:15 pm: Margarida Pereira (Vigo Quantum Communication Center - Universidade de Vigo) - "Security of QKD with pulse correlations"

Closing Session	4:30PM

Almirante Gameiro Marques (GNS Gabinete Nacional de Segurança)

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