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## **EUROPEAN CONFERENCE**

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# QUANTUM TECHNOLOGIES FOR DEFENCE: CURRENT AND FUTURE CAPABILITIES WARSAW, POLAND – 13-14 MARCH 2024

## DRAFT PROGRAMME

**08:00 – 09:00**    REGISTRATION AND WELCOME COFFEE

**09:00 – 10:00**    OPENING SESSION

- Edouard Geoffrois, Policy Officer, Directorate-General for Defence Industry and Space (DG DEFIS)
- Representative of Ministry of National Defence, tbc (PL)
- Adrian Mahlkow, Managing Director, OpTecBB, Berlin Quantum (DE)
- Isabelle Tovenca Pecault, Director Europe and International Alpha-RLH, ALPHA-RLH and Naquidis Centre (FR)
- Aleksandre Yurchak, Ukrainian Cluster Alliance (UA)
- Maciej J. Nowakowski, Director of Operations, PPTF (PL)





**10:00-11:00 KEYNOTE ADDRESSES 1**

- 10:00 – 10:15 **Quantum Warfare, A Survey**  
Michal Krelina, Czech Technical University (CZ)
- 10:15– 10:30 **Ongoing Quantum Activities of European Defence Agency**  
David Neumann, EDA
- 10:30–10:45 **Towards Secure Communications In The Quantum Era?**  
Samih Souissi, French Cybersecurity Agency ANSSI (FR)  
Tobias Hemmert, BSI (DE)
- 10:45– 11:00 Representative of Ministry of Defence, tbc (UA)

**11:00 – 11:30 COFFEE BREAK**

**11:30-12:30 KEYNOTE ADDRESSES 2**

- 11:30 – 11:45 **OVERVIEW OF THE EDF project ADEQUADE**  
Daniel Dolfi, Thales R&T (FR)
- 11:45 – 12:00 **OVERVIEW OF THE EDIDP project DISCRETION**  
Catarina Bastos, Deimos (PT)
- 12:00 –12:15 **Quantum Technologies for Super-resolution Imaging**  
Nicolas Treps, Sorbonne Université (FR)
- 12:15 – 12:30 **Quantum Computer Infrastructure – practical aspects**  
Grzegorz Kasprowicz, Warsaw University of Technology (PL)

**12:30-14:00 LUNCH**





**14:00-15:00**

**ROUNDTABLE**

**Quantum Technologies in Defence applications**

Moderator: Aleksander Nawrat, Silesian University of Technology (PL)

Speakers:

- Catarina Bastos, Deimos (PT)
- Baptiste Battelier, Université Bordeaux (FR)
- Johanna Sepulveda, AIRBUS Defence and Space (DE)
- Jacques-Charles Lafoucriere, HQI (FR)
- Markus Krutzik, FBH Berlin (DE)
- Andrii Semenov, Kyiv Academic University (UA)

**15:10-16:10**

**USE CASES PRESENTATION SESSION 1**

- Quantum Optics Jena, Falconers.ee, Kyiv Academic University, Astrolight, Quantum Delta, Exail

**16:10-16:40**

**COFFEE BREAK**

**16:40-17:40**

**USE CASES PRESENTATION SESSION 2**

- Haiqu.ai, Incibe, ORCA Computing, Acktyvus, National University of Lviv, Creotech

**17:40-18:00**

**WRAP UP DAY 1**

**19:00-21:00**

**DINNER**





## QUANTUM TECHNOLOGIES FOR DEFENCE: DAY 2 - 14 MARCH

08:00 – 09:00 REGISTRATION AND WELCOME COFFEE

09:00 – 09:30 OPENING SESSION

09:30-10:30 PITCH SESSION

10:30-11:00 COFFEE BREAK

11:00-12:30 WORKSHOPS

### WORKSHOP QUANTUM SENSING AND METROLOGY – ROOM 1

Moderator: Grzegorz Kasprowicz, Warsaw University of Technology (PL)

11:00 – 11:10 Introductory Talk: Marks Krutzik, FBI Berlin (DE)

11:10 – 12:30 Discussion

### WORKSHOP QUANTUM COMMUNICATION – ROOM 2

Moderator: Nino Walenta, Fraunhofer HHI (DE)

11:00 – 11:10 Introductory Talk: Michał Karpiński, University of Warsaw (PL)

11:10 – 12:30 Discussion

### WORKSHOP QUANTUM COMPUTING AND SIMULATION – ROOM 3

Moderator: Teodor E. Buchner, Warsaw University of Technology (PL)

11:00 – 11:10 Introductory Talk: Enrique Solano, KIPU Quantum (DE)

11:10 – 12:30 Discussion

12:30-14:00 LUNCH





**14:00-14:50**      **WORKSHOPS RESULTS PRESENTATION**

Quantum Sensing and Metrology  
Quantum Communication  
Quantum Computation and Simulation  
General discussion on workshop results

**14:50-15:00**      **WRAP UP**

**15:00-16:00**      **MATCHMAKING – NETWORKING**

*Contact persons:*

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