

QuantERA Funded Projects' Launch Event

24th April 2018

Venue: Intercontinental Bucharest Hotel

4 Nicolae Balcescu Blvd, Bucharest, Romania

Tuesday, 24th April 2018

9:00 - 21:00

Invited guests:

QuantERA Consortium Partners, representatives of QuantERA Funded Projects, Strategic Advisory Board (SAB), representatives of the European Commission (EC) and industry & other stakeholders.

09:00 **Welcome**

Representative of the Romanian Ministry

POLICY SESSION

09:20 Introduction

Konrad Banaszek

09:45 Key-note speech

Tommaso Calarco

10:15 QuantERA Programme

Sylwia Kostka

10:30 Conclusions from the QuantERA Call 2017

Elisabeth Giacobino & Mathieu Girerd

11:00 **Coffee break**



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PANEL DISCUSSIONS

11:30 **Fostering Industry Connections**

Moderation: Francesco S. Cataliotti

Panellists:

- Jens Anders, University of Stuttgart
- Ali Anjomshoaa, InnovateUK
- Paul Brie, Evozon
- Freeke Heijmann, TU Delft
- Itatel representative (tbc)

12:15 **Promoting Inclusiveness**

Moderation: Rui Durão

Panellists:

- Radu Ionicioiu, National Institute of Physics and Nuclear Engineering, Bucharest
- Omar Yasser, Instituto Superior Técnico, Lisboa
- Marzena Szymańska, University College London
- Marek Żukowski, University of Gdańsk

13:00 **Lunch**

SCIENTIFIC SESSION*

14:00 Presentations of Funded Projects

16:00 **Coffee break**

16:30 Presentations of Funded Projects

18:15 Poster Session

19:30 **Dinner on the roof of Intercontinental Hotel**



***SCIENTIFIC SESSION DETAILS**

- 14:00 - 14:20 **Mehul Malik** (QuompleX): Quantum information processing with complex media
- 14:20 - 14:40 **Ana Predojevic** (HYPER-U-P-S): Hyper-entangled photons from quantum dots
- 14:40 - 15:00 **Thomas Fromherz** (CUSPIDOR): Towards CMOS compatible single photon sources based on SiGe quantum dots
- 15:00 - 15:20 **Felix von Oppen** (TOPOQUANT): 2D hybrid materials as a platform for topological quantum computing
- 15:20 - 15:40 **Earl Campbell** (QCDA): Quantum error correction: the toric code and beyond
- 15:40 - 16:00 **Florian Mintert** (TheBlinQC): Theory-blind quantum control

16:00 - 16:30 *Coffee break*

- 16:30 - 16:50 **Francesco Marin** (QuaSeRT): Toward optomechanical quantum sensors at room temperature
- 16:50 - 17:10 **Constanza Toninelli** (ORQUID): An organic platform for quantum technologies
- 17:10 - 17:30 **Simone Montangero** (QTFLAG): Quantum technologies for lattice gauge theories
- 17:30 - 17:50 **Jérôme Beugnon** (NAQUAS): Non-equilibrium dynamics in atomic systems for quantum simulation
- 17:50 - 18:10 **Markus Hennrich** (ERyQSenS): Rydberg-enabled quantum simulators and sensors

19:30 *Dinner on the roof of Intercontinental Hotel*

