

# EXPLORING AND MAKING QUANTUM TECHNOLOGY

European Quantum Flagship Event  
October 17-18 2019

## Program

Venue: Paasitorni

Moderator: Tommaso Calarco, Chair of the Quantum Flagship Community Network

October 17

12:00 Registration (*light lunch will be served*)

### Opening

13:00 Welcome  
**Heikki Mannila**, President of the Academy of Finland

13:15 Progress in Quantum Technologies: What is the Future of Quantum Technologies beyond the Flagship Initiative?  
**Khalil Rouhana**, Deputy Director-General for Communications Networks, Content and Technology, European Commission

13:45 The European Quantum Flagship: Where do we stand today?  
**Jürgen Mlynek**, Chair of the Quantum Flagship Strategic Advisory Board

### Future of Quantum Technologies in Europe

14:10 Quantum Technology Finland: Exploring Pathways to the Future  
**Jukka Pekola** and **Sabrina Maniscalco**, Aalto University and University of Turku

14:30 Technology Keynote  
**Antti Vasara**, President & CEO, Technical Research Centre of Finland (VTT)

14:50 Industry Keynote: Shaping the quantum future from Europe  
**Jan Goetz**, CEO, IQM

15:10 Aligning national, regional and European QT Public Policies  
**Sylwia Kostka**, National Science Centre, Poland; QuantERA Programme Coordinator

15:30 *Coffee Break and Group Picture*

16:00 Panel Discussion: Establishing a European Infrastructure for Quantum Technologies

Moderator: **Sabrina Maniscalco**, Professor of Theoretical Physics at University of Turku

**Khalil Rouhana**, Deputy Director General, DG Connect (European Commission)

**Ambassador Milos Koterec**, Innovation Counsellor at the Slovakia embassy in Helsinki (Slovakia)

**Freeke Heijman** - Special Advisor to the Minister on Quantum Technologies (The Netherlands)

**Michael Wiesmüller** - Head of Department / Key Enabling Technologies for Industrial Innovation, Austrian Federal Ministry of Transport, Innovation and Technology (BMVIT) (Austria)

**Herbert Zeisel** - Deputy Director General "Research for Digital Transformation and Innovation", Federal Ministry of Education and Research (BMBF) (Germany)

**Antti Vasara**, President & CEO, Technical Research Centre of Finland (VTT) (Finland)

17:15 Closing Remarks

17:30 *Transportations to Dipoli, from Paasitorni  
(there will be no organized return transportation to Paasitorni)*

18:00 Welcome Reception at Dipoli (includes cocktails & QT exhibition)  
**Iikka Niemelä**, President of Aalto University  
Inauguration of QT exhibition

20:00 End of Reception

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Venue: Aalto University, Dipoli, Otakaari 24, Espoo

Moderator: Markus Wilkens, Coordinator of the Quantum Flagship Coordination and Support Action

October 18

### Implementing the European Quantum Flagship

- 9:00 Welcome  
**Jürgen Mlynek**, Chair of the Quantum Flagship Strategic Advisory Board
- 9:10 Setting the scene  
**Rob Thew**, Chair of the Quantum Flagship Strategic Research Agenda Working Group
- 9:30 Panel Discussion: International Cooperation in Quantum Technology  
Moderator: **Philippe Chomaz**, Executive Scientific Director at CEA  
**Jaya Baloo** - Vice Chair of the Quantum Flagship Strategic Advisory Board and Chief Information Security Officer (CISO) for Avast, Czechia  
**Jake Taylor** - Assistant Director for Quantum Information Science at White House Office of Science and Technology Policy, USA  
**Kenji Ohmori** - Vice Chair and Head of Expert Members, Committee for Quantum Science and Technology Policy, MEXT, Japan  
**Gustav Kalbe** - Head of the High Performance Computing and Quantum Technology unit from the European Commission
- 10:30 *Coffee break and Group Picture*
- 11:00 Community Feedback Session - Cross Cutting Topic I: Infrastructures  
**Garrelt Alberts**, Roadmap Leader at QuTech
- 12:00 Community Feedback Session - Cross Cutting Topic II: Engineering  
**Rogier Verberk**, Director Semiconductor Equipment at TNO and Chair of the Quantum Flagship Innovation Working Group
- 13:00 *Lunch Break*
- 14:00 The EPO support for innovation in Quantum Technologies  
**Nigel Clarke** and **Maria Oliete Ballester** - European Patent Office (EPO)
- 14:20 Community Feedback Session - Cross Cutting Topic III: Education  
**Chiara Macchiavello**, Associate Professor of the University Di Pavia and Chair of the Quantum Flagship Education Working Group
- 15:20 Closing Remarks  
EC representative
- 15:40 End