



With the support of the **Quantum Support Action**
financed by the European Commission



European Quantum Technologies Conference

EQTC 2019

Programme

Sunday, Feb. 17th:

18:30 - 21:00 : welcome buffet, at Maison Minatec
advance collecting of conference badges

Monday, Feb. 18th :

08:00 : **Welcome coffee, registration**

09:00 - 11:00 : **The European Quantum Flagship** : presentation and discussion with the audience.
With Gustav Kalbe (European Commission) – Jürgen Mlynek (chair of the Strategic Advisory Board) – Tommaso Calarco (FCO¹, chair of the Quantum Community Network, FZ Jülich) and Markus Wilkens (FCO, VDI)

11:00 - 11:30 : **Coffee break**

11:30 - 13:00 : Plenary - **invited talks** : Ross Duncan, Ronald Hanson, Thomas Monz

13:00 - 14:45 : **Lunch break (buffet) – exhibition booths and posters** (1st round)

14:45 - 16:30 : Plenary - **the Flagship Governance**
Overview by Thomas Strohm (FCO, Robert Bosch GmbH), followed by presentations and discussion with the audience for the

- Strategic Advisory Board (SAB), chaired by Jürgen Mlynek
- Scientific and Engineering Board (SEB), chaired by Thierry Debuisschert (Thales)
- Quantum Community Network (QCN), chaired by Tommaso Calarco (FZ Jülich)

16:30-18:30 : **Beer event – exhibition booths and posters** (1st round)

¹ The Flagship Coordination Office associates the members of the current and future Coordination and Support Actions of the Flagship: Quantum Support Action (QSA), Quantum Technology Flagship Coordination and Support Action (QFLAG).

Tuesday, Feb. 19th :

- 08:45 – 10:15 : Plenary - **invited talks** : Qiang Zhang, Philippe Duluc, Leticia Tarruell
- 10:15 – 10:45 : **Coffee break**
- 10:45 – 12:15 : Plenary - **the Flagship Working Groups, presentations and short reports**
Innovation Working Group (WG), Strategic Research Agenda (SRA), WG, Education and training WG, Gender WG
[in-depth discussion of the SRA for each Flagship pillar, and of the Innovation strategy and challenges in specific sessions on Tuesday afternoon, Wednesday and Thursday]
- 12:15 – 14:00 : **Lunch break (buffet) – exhibition booths and posters** (1st round)
- 14:00 – 15:45 : Parallel – **Oral presentations**
BSCC² (Platine) **Computing** (Auditorium) **Simulation** (upper room)
- 15:45 – 16:15 : **Coffee Break**
- 16:15 – 17:10 : Parallel - **Presentation of the SRA and discussion with the audience**
Communication (room : Platine) **Computing** (room : Auditorium)
- 17:15 – 18:10 : Parallel - **Presentation of the SRA and discussion with the audience**
Simulation (room : Platine) **Sensing and metrology** (room : Auditorium)
- 20:00 : **Gala dinner (Grenoble World Trade Centre)³**

Wednesday, Feb. 20th :

- 08:45 – 10:45 : Plenary - **invited talks** : Mikko Möttönen, Eva Weig, Heike Riel, Ronald de Wolf
- 10:15 – 10:45 : **Coffee break**
- 10:45 – 12:15 : Parallel : **report and discussion with the audience for**
Innovation Working Group **Education and Training Working Group**
(Platine) (Auditorium)
- 12:15 – 14:00 : **Lunch break (buffet) – exhibition booths and posters** (2nd round)
- 14:00 – 16:00 : Parallel - **Oral presentations**
BSCC⁴ (Platine) **Communication** (Auditorium) **Computing** (upper room)
- 16:00 – 18:00 : **Beer event – exhibition booths and posters** (2nd round)

Thursday, Feb. 21th :

- 08:45 – 10:15 : **Parallel – Oral presentations**
Simulation (Platine) **Communication** (Auditorium) **Sensing** (upper room)
- 10:15 – 10:45 : **Coffee break**
- 10:45 – 12:15 : **Parallel – Oral presentations**
Sensing (Platine) **BSCC** (Auditorium) **Communication** (upper room)
- 12:15 – 14:00 : **Lunch break (buffet) – exhibition booths and posters** (2nd round)

2 Basic Science and Cross Cutting topics.

3 Take care to book the Gala dinner when registering online.

4 Basic Science and Cross Cutting topics

- 14:00 – 15:30 : Plenary - **invited talks** : Maud Vinet, Markus Greiner, Hugo Zbinden
- 15:30 – 16:00 : **Coffee break**
- 16:00 – 17:15 : Parallel sessions
- Standardization for quantum technologies : how to prepare your innovation for industry** (upper room)
with Andreas Jenet¹, Adam M Lewis¹, Christian Goroncy², Samira Nik³, Fabio Taucer¹, Christian Trefzger⁴, Luc Van den Berghe³ from ¹European Commission JRC, ²Deutsches Institut für Normung (DIN), ³CEN-CENELEC and ⁴European Commission DG Connect
- Applications and challenges for quantum technologies in aerospace technologies** (Auditorium)
Programme being defined
- 17:20 – 18:35 : Parallel sessions
- Strategic Research Agenda for Basic Science and Cross Cutting topics** (Platine)
report and discussion with the audience
- International cooperation for quantum technologies** (Auditorium)
Chaired by Philippe Chomaz (FCO, CEA)
- 18:45 – 21:00 : **Wine and cheese event (dinner)** ⁵
Sponsored by [BlueFors Cryogenics](#)
- Friday, Feb. 22nd :**
- 08:45 – 10:30 : **Parallel – Oral presentations**
BSCC (Platine) **Computing** (Auditorium) **Sensing** (upper room)
- 10:30 – 11:00 : **Coffee break**
- 11:00 – 13:00 : Plenary - **invited talks** : Anthony Laing, Fabio Sciarrino, Andreas Walraff, Thierry Debuisschert
- 13:00 – 13:30 : Next events of the Quantum Flagship, farewell
- 13:30 – 15:00 : **Lunch (take-away or on site)**

⁵ Opened to all participants registered to EQTC.

Education and training in quantum technologies workshop

Embedded within the conference, this specific event focuses on the education and training issues associated with the quantum technologies.

Specific registration, giving access to the full **Education and training on quantum technologies workshop** is opened on the website (120 € VAT incl.) of the registration site.

Participants registered to the full EQTC conference and willing to attend (at no additional cost) the specific **education and training workshop** on Tuesday and Wednesday should contact eqtc19@sciencesconf.org to be registered to the **Education workshop**.

Abstract submission deadline in EQTC-Education Section: February 11th, 2019

Programme :

Tuesday, Feb. 19th	
10:45 – 12:15	Plenary EQTC : Innovation WG, strategic research agenda WW, education and training WG , gender WG
12:15 – 14:00	Lunch (buffet)
14:00 – 16:00	1st education session , Chrome 2
16:00 – 17:30	Coffee break , posters
17:30-18:30	2nd education session , Chrome 2
Wednesday, Feb. 20th	
8:45 - 10:45	3rd education session , Chrome 2
10:45 – 11:15	Coffee break
11:15 – 12:30	4th education session , Chrome 2
12:30-14:15	Lunch (buffet)
14:15	End of the Education and Training Workshop

Organizing board : Hervé Courtois, Grenoble Alpes University
Marisa Michelini, University of Udine
Oxana Mishina – chair, Trieste University and Technische Universität Braunschweig
Rainer Müller, Technische Universität Braunschweig
Frank Wilhelm-Mauch, Saarland University

Quantum Technologies with Ultra-Cold Atoms (AtomQT)

AtomQT - a COST (European Cooperation in Science and Technology) action – will held a meeting in the frame of EQTC 2019.

Contact : [Philippe Bouyer](mailto:Philippe.Bouyer@insitut-optique.fr), Insitut d'Optique Graduate School

Exhibition and sponsors

Confirmed exhibitor booths at EQTC 2019 include

BlueFors Cryogenics

Also wine and cheese dinner sponsor

European Patent Office

Grenoble Quantum Engineering

IOP Publishing

Oxford Instruments Nanoscience

M Squared Lasers Ltd.

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