



Dear Quantum Flagship member,

With a packed July newsletter, the summer slowdown seems to have missed the Quantum Flagship.

You can get involved at the EQTC 2024 as a contributor, an exhibitor, or as sponsor of the EDI prize. The QTedu Demo Days are also making a welcome return in 2024.

In very exciting news for the Quantum Flagship, one of our projects was involved in the Ariane 6 rocket launch, while quantum technology (QT) featured at the G7 summit. There is a new way to get involved with QuIC, news on standardisation, and much more.

If you would like to inform the community on QT activities or events within your national or regional community, or provide feedback to the Quantum Flagship newsletter, please get in touch at newsletter@qt.eu.

Best regards,

The Quantum Flagship Coordination Team

- **EQTC 2024 – Call for abstracts, exhibitors and sponsors**
- **Call for sponsorship for Equity, Diversity and Inclusion prize at EQTC 2024**
- **Call to present at QTedu Demo Days 2024**
- **Successful first QT training series for policymakers**
- **QT on show at G7 summit, where ministers commit to cooperation**
- **European and international standardisation committees meet**
- **Quantum Magnetometer on board Ariane 6**
- **Barcelona meeting brings quantum communication pioneers together**
- **QuIC introduces Quantum Business Community & Affiliates**

News from the Quantum Flagship

Quantum Flagship event news

EQTC 2024 – Call for abstracts, exhibitors and sponsors



EQTC European Quantum Technologies Conference **2024**
a Quantum Flagship event

18 to 20 November 2024
Lisbon, Portugal

KEY DATES

Abstracts Deadline (2nd call): **29 July 2024**
Earlybird Registration Deadline: **31 July 2024**

eqtc.qt.eu

ORGANISATION

 **QUANTUM FLAGSHIP**  **PORTUGUESE QUANTUM INSTITUTE**  **European Commission**

CONFERENCE MANAGEMENT
Mundiconvenius
eqtc@mundiconvenius.pt 

The Quantum Flagship brings together Europe's QT community at the European Quantum Technology Conference 2024 in Lisbon on 18-20 November 2024.

EQTC 2024 has launched its second Europe-wide **call for abstracts** from science, industry and academia. Experts are invited to contribute in the form of poster presentations in a wide range of scientific and cross-sectoral themes, with a deadline of **29 July 2024**.

There are also opportunities to **become a sponsor and/or exhibitor** at this year's event. Showcase your brand, ideas and people to the QT leaders of today and tomorrow, and engage with European and international experts discussing the latest breakthroughs in the second quantum revolution

[SUBMIT YOUR ABSTRACT](#)

[BECOME A SPONSOR / EXHIBITOR](#)

Don't forget to take advantage of the early bird rates offering **discounts of up to EUR 150** for EQTC 2024 registration until **31 July 2024**.

[REGISTER NOW](#)

News from the Quantum Flagship

Call for sponsorship for Equity, Diversity, and Inclusion prize at EQTC 2024

The Quantum Flagship is seeking sponsorship proposals for the Equity, Diversity, and Inclusion (EDI) prize which will be awarded at EQTC 2024. The conference will highlight the latest advancements in QT. A key feature of the conference will be the presentation of the EDI prize, which acknowledges outstanding contributions towards equity, diversity, and inclusion within institutions or networks.

Companies are invited to sponsor the prize with amounts of €500, €1,500, or €2,000. Sponsorship proposals must be submitted electronically to the EDI Working Group of the Quantum Flagship via equality@qt.eu by **5 August 2024**.

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News from the Quantum Flagship

Call to present at QTedu Demo Days 2024

Inspired by the highly successful Demo Days 2022 [series](#), creators once again have the opportunity to showcase their innovative educational tools, methodologies, and initiatives during the new QTedu Demo Days 2024 series, starting in September.

In the one-hour online events, creators will have 30 minutes to present their creation and 30 minutes to discuss it with the audience. These events will be advertised within the European Quantum Flagship ecosystem and will target individuals involved in education at all levels, including the general public, pupils, students, teachers, professors, professionals, and policymakers.

Abstracts must be submitted by **24 June 2024**.

[READ MORE](#)

News from the Quantum Flagship

Successful first QT training series for policymakers

Throughout the last year, the Quantum Flagship organised a successful series of online training sessions on [QT for policymakers](#). This first cycle saw participation from an impressive 357 unique attendees, with the majority joining multiple sessions.



Policymakers from over 34 countries, including all EU27 members states, actively engaged in these sessions, making up over 70% of the participants. The training sessions also attracted individuals from research and industry sectors, fostering collaboration and knowledge.

Please share your valuable feedback on the first training series to help improve the content and structure of future sessions.

[TO FEEDBACK SURVEY](#)

News from European Commission

News from the European Commission

QT on show at G7 summit, where ministers commit to cooperation

At a meeting of G7 Science and Technology Ministers held in Bologna, 9-11 July, the G7 countries and the EC adopted a declaration to strengthen open and safe international science cooperation, with the field of quantum technology explicitly mentioned. The ministers in Bologna were impressed by live demonstrations of a neutral atom quantum processor and a quantum gravimeter, with a mock-up quantum computer and quantum chips also on display.

Meanwhile, the main G7 Summit (13-15 June) witnessed QT in real-world application. **QKD systems** secured sensitive communications between the summit in Fasano and the press centre in Bari, 80km away. The Italian companies QTI and Telsy provided QKD systems and encryptors, respectively.

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News on QT Standardisation

European and international standardisation committees meet

The ISO/IEC committee on quantum technologies (JTC3) held its kick-off in Seoul, 27-29 May. There was strong European representation among the 100 delegates, with an opening presentation on the European Standardisation Roadmap for QT. Groups were formed to collect standardisation proposals on quantum terminology and metrics, sensors, secure communication, computing and simulation, QRNG, and enabling technologies. These will be discussed at the next JTC3 meeting in Edinburgh, 21-25 October 2024.

The European committee on QT standards (CEN-CENELEC JTC22) also met, 19-21 June, in Malta. It discussed the relationship with JTC3 and began work on an updated release of its Roadmap, to be published in late 2024.

[TO JTC22 AND ROADMAP](#)

News from Quantum Flagship projects

AMADEUS project news

Quantum Magnetometer on board Ariane 6

Europe's new Ariane 6 rocket made its maiden flight on 9 July, marking a significant milestone for the European Space Agency (ESA) and independent space access for the EU. Part of this inaugural mission was to place several small 'CubeSat' satellites into orbit.



Among the payloads aboard the Ariane 6 was a diamond-based quantum magnetometer developed by the **AMADEUS** project of the Quantum Flagship. This advanced sensor utilizes NV centres in diamond to detect magnetic fields with exceptional sensitivity and range, even at room temperature. Importantly, the devices developed in the project are compact and electronically integrable – making them well-suited for space.

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Barcelona meeting brings quantum communication pioneers together



© Raquel Puras

On 5 June 2024, over 200 European leaders and experts in quantum communications gathered in Barcelona to review the current status and future actions for the development and deployment of quantum communication technology in Europe. The event was organised by the Quantum Flagship projects QSNP and QIA.

A keynote from by Nikolas Mohr (McKinsey) addressed global trends and investments in QT. A startup panel discussed market opportunities, commercialisation strategies, and private sector adoption of quantum communications. The event also featured an intellectual property workshop, while a series of flash talks given by early-stage researchers emphasised the need to foster a quantum workforce.

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News from the Community

QuIC introduces Quantum Business Community & Affiliates

The European Quantum Industry Consortium (QuIC) has introduced the *Quantum Business Community* (QBC) and *Affiliates* to its association's structure.

The new concept of Affiliates represents a new class of participants in QBC, reserved for organisations with a presence in Europe but with a controlling entity based in select countries outside Europe. This addition to QuIC's organisational structure will greatly expand networking opportunities for both QuIC Members and Affiliates, highlighting one of the many additional benefits QuIC offers.

Affiliate applications are expected in Autumn 2024.

[GET IN TOUCH](#)



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Responsibility

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Responsible for the content of this newsletter is:

VDI Technologiezentrum GmbH
VDI-Platz 1
D-40468 Düsseldorf
Germany

Email: info@qt.eu

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