



Dear Quantum Flagship member,

It looks like the summer slowdown still doesn't affect the Quantum Flagship, and we're here to bring you another round of exciting updates.

We've got some fantastic opportunities lined up for EQTC exhibitors and partners. We're also thrilled to launch a new Quantum Technology (QT) training series tailored for policymakers.

For those interested in testing and piloting services, there's still a chance to apply for the Qu-Pilot open call.

You also have the opportunity to support a call for European funding, share your valuable insights to better understand and address equity, diversity, and inclusion challenges and read about the latest developments in master's programmes in QT and new standardisation activities.

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 – Special Opportunities for Exhibitors and Partners**
- **Open call for testing and piloting services closing soon**
- **New survey on equity, diversity, and inclusion**
- **New series of QT trainings for policymakers**
- **New standardisation activity: 'Gaps in QKD System and QKD Network Security Assurance'**
- **Examination of the development of master's programmes in QT worldwide published**
- **New Master in Quantum Science & Technology in Italy**
- **Call for European funding of research at the interface of machine learning and quantum science**

News from the Quantum Flagship

Quantum Flagship event news

EQTC 2024 – Special Opportunities for Exhibitors and Partners



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

18 to 20 November
Lisbon, Portugal

Visit the website for Programme and Speakers update
& Sponsor and Exhibitors opportunities

Don't miss the opportunity to attend EQTC 2024 and register today!

eqtc.qt.eu

ORGANISATION

 **QUANTUM**
FLAGSHIP

 **PORTUGUESE**
QUANTUM
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Commission

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This year's European Quantum Technologies Conference (EQTC) will be held in the vibrant city of Lisbon from **18-20 November 2024**. As a landmark event for Europe's quantum technologies community, EQTC 2024 offers an exceptional opportunity to connect, learn, and drive innovation.

The event also presents exclusive opportunities for exhibitors and sponsors. Exhibitors and partners will have the unique chance to deliver a pitch during a plenary session on the opening day. In addition, they can host a lunch talk, offering a prime platform to share insights and engage directly with attendees.

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Open call for testing and piloting services closing soon

The Quantum Flagship projects Qu-Pilot & Qu-Test, a dedicated network of quantum pilot lines and testbeds, have launched an open call for EU-based companies in search of testing and experimental production facilities incorporating technologies in quantum computing, communication, and sensing. Successful applicants will receive expertise and testing or experimental production services for free (100% funded) and will become parties to the Qu-Test/Qu-Pilot Framework Partnership Agreement.

The Qu-Pilot call is now open until **30 September 2024**. Find all available services on the [technical marketplace](#) and follow [Qu-Test & Qu-Pilot on LinkedIn](#) for updates on the call.

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News from the Quantum Flagship

New survey on equity, diversity, and inclusion

A new survey on equity, diversity, and inclusion (EDI) in the quantum community has been launched by the Quantum Flagship. This key tool aims to gather insights from the community to better understand and address EDI challenges. All members of the quantum ecosystem – from students and early-career researchers to professionals in academia and industry – are invited to participate. Your input is crucial in shaping a more inclusive future.

The survey takes just 10 minutes and is open until **16 September 2024**. Please share it within your network. Results will hopefully be presented at EQTC 2024 in Lisbon in November.

[TO THE SURVEY](#)

Quantum Flagship event news

New series of QT trainings for policymakers

After a successful and enlightening [first training series](#) tailored for policymaker, a new training cycle with monthly online trainings, each covering presentations from experts and a Q&A session, will start in September.

Mark your calendars for the 1st session of our engaging second online training series and join us on **26 September 2024** for an insightful discussion on '**Societal Challenges of QT in Europe**'.



The poster features a dark blue background with orange geometric shapes. At the top right, it says 'Funded by the European Union' with the EU flag. Two circular portraits of speakers, Marcela Linkova and Pieter Vermaas, are shown. The text 'ONLINE TRAINING' is in small white letters, followed by 'QUANTUM TECHNOLOGY' in large white letters, and 'for policymakers' in orange. The topic is 'Societal Challenges of QT in Europe'. The speakers' names and titles are listed: Marcela Linkova, Head of the Centre for Gender and Science IS CAS (CZE); and Pieter Vermaas, Professor in Philosophy of Design and Quantum Technologies; Ethics Research Lead at Quantum Delta (NL). The date and time are '26 September 11:00 - 12:00 CEST'.

ONLINE TRAINING
QUANTUM TECHNOLOGY
for policymakers

Topic:
Societal Challenges of QT in Europe

Speakers
MARCELA LINKOVA
Head of the Centre for Gender and Science IS CAS (CZE)
PIETER VERMAAS
Professor in Philosophy of Design and Quantum Technologies;
Ethics Research Lead at Quantum Delta (NL)

26 September
11:00 - 12:00 CEST

Listen to an inspiring presentation on strategies towards gender balance and latest news from GENDERACTIONplus CSA by Dr. Marcela Linkova, and learn about Societal Challenges of QT Innovation, presented by Prof. Pieter Vermaas. Read more and register now on the training webpage.

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News from the European Commission

News from CEN-CENELEC JTC22

New standardisation activity: 'Gaps in QKD System and QKD Network Security Assurance'

A lack of broadly accepted assurance in Quantum Key Distribution (QKD) is one of the major roadblocks preventing wider deployment of QKD in real-world applications. To address this, CEN-CENELEC JTC22 recently initiated the WG-4 document titled 'Gaps in QKD System and QKD Network Security Assurance,' deliberately leaving broader topics such as architectures and interfaces aside. This focus was chosen because the most pressing gaps concern security, specifically how compliance with standards can be verified or certified.

The work is led by Thomas Länger, and contributions from the community are highly appreciated. To view the document and submit your contribution, please register as a member with your [National Standards Body](#) or [National Committee](#) and access the [documents portal](#).

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News from the Community

Examination of the development of master's programmes in QT worldwide published

Researchers at [European Quantum Readiness Centre](#) examined the trend in the development of QT master's programmes worldwide.

In a global survey the researchers identified 86 programmes and analysed their proliferation over time, global distribution, interdisciplinary nature, and the range of national efforts to grow the quantum workforce across various nations. The diversity of intended career paths highlights their potential to drive QT industrialisation. National initiatives to enhance existing study programmes with quantum content further support the growth of master's programmes.

The paper, titled 'Quantum Technology master's: A shortcut to the quantum industry?', is published on arXiv and available for download by clicking on the button below.

[DOWNLOAD PAPER](#)

News from University of Bari Aldo Moro

New Master's in Quantum Science & Technology in Italy

The first edition of the [Master's in Quantum Science & Technology](#) combines eight months of coursework and laboratory work at the Physics Department of the University of Bari with a four-month internship at industrial partners. The programme is aligned with the pillars of QT and offers a blend of flexibility and personalised learning. The following components are included:

- Two mandatory courses: Foundations of Quantum Information and Management
- Nine elective courses: Quantum Computing, Quantum Algorithms, Quantum Key Distribution, Quantum Communications & Networks, Fundamentals of Machine and Deep Learning, Quantum Machine Learning, Quantum Sensing, Quantum Imaging, and Atom-Based Quantum Technologies

Click the button below to view all the details about the master's and the enrollment link. Submit your application by **10 September 2024**.

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News from Austria

Call for European funding of research at the interface of

machine learning and quantum science

In 2023 and 2024, research experts that had convened in Austria for two [Machine Learning and Quantum Physics Workshops](#) set out to draft the 'Machine Learning in Quantum Science Manifesto,' aimed at raising awareness among European policymakers about the growing synergy between machine learning and quantum science and technologies. This intersection can boost quantum research, drive advancements in QT, and introduce new approaches to fundamental physics. To unlock its potential, significant investment in both fundamental and applied research is crucial.

The manifesto calls for European funding to support this intersection, as a foundation for future key technologies. To support the cause, sign the petition below.

[SIGN PETITION](#)



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Responsibility

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