



Dear ,

In June's newsletter you'll find various updates on the upcoming European Quantum Technologies Conference (EQTC) 2023. You can also hear about the QuIC Plenary Meeting and the "future quantum workforce" study conducted by QTedu.

Furthermore, we have updates from the Quantum Internet Alliance (QIA) project.

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

Best regards,
The Quantum Flagship Coordination Team

- **EQTC 2023 – Super early bird discount extended until 15 July!**
- **EQTC 2023 – Call for Abstracts**
- **QuIC Plenary Meeting strengthens opportunities for the European quantum community**
- **Results of "future quantum workforce" study revealed**
- **Quantum repeater successfully implemented using trapped ions**
- **QIA Spring Meeting takes place**

News from the Quantum Flagship

Quantum Flagship event news

EQTC 2023 – Super early bird discount extended until 15 July!



European Quantum Technologies Conference 2023

Hosted by Quantum Valley Lower Saxony

We are excited about those who have already registered for our biggest biennial community event – the [European Quantum Technologies Conference 2023](#) – and want to give a treat to those who are still considering to join as well: We have extended the registration deadline for super early birds until 15 July.

For a few more weeks you can get your pass for the EQTC 2023 at a **25% discount** and stay in the loop about the latest developments from Europe's leading research organizations, companies, startups and policymakers. Join us between 16-20 October in Hanover, Germany.

[GET YOUR TICKET](#)

Quantum Flagship event news

EQTC 2023 – Call for Abstracts

Present your research at the year's biggest quantum community event!

The EQTC 2023 will showcase all the main scientific and technological pillars of the Quantum Flagship and the European ecosystem, as well as global developments.

The conference offers a unique opportunity for social networking and professional exchange, providing comprehensive coverage of the most significant and recent advancements in various quantum technology topics. These include basic sciences, communication, computing, simulation and sensing/metrology, industry advances, enabling technologies, future ecosystem development, and education & training.

Don't miss out on this exciting event to share and learn about the latest breakthroughs in quantum technologies.

Abstracts are to be submitted by 26 June 2023.

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Quantum Flagship event news

QuIC Plenary Meeting strengthens opportunities for the European quantum community

The QuIC Plenary Meeting, co-organized by AMETIC and held at the EY headquarters in

Madrid, was a resounding success, bringing together a large pan-European quantum community. With over 120 participants, the event provided valuable networking opportunities and updates on recent association activities.

Notable speakers at the meeting included Carme Artigas, Secretary of State for Digitization and Artificial Intelligence from the Spanish Government; Lina Gálvez Muñoz, Member of the European Parliament; Gustav Kalbe, Acting Director of DG Connect C from the European Commission; and Daniel Opalka, Program Officer – Research and Innovation from the EuroHPC Joint Undertaking.

The event served as a platform for insightful discussions, knowledge sharing, and collaboration, contributing to the advancement of quantum technologies in Europe and beyond.

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News from the Quantum Flagship

Results of "future quantum workforce" study revealed

With the growing importance of quantum technologies in industry, the need for a well-educated quantum workforce is increasingly crucial. The anticipated shortage of skilled workers raises significant questions for the future.

As part of the Quantum Flagship, QTedu conducted the "Future quantum workforce: Competences, requirements, and forecasts" study, which gathered input on the competences and requirements necessary for the European Competence Framework, as well as predictions regarding the future.

The paper was published in *Physical Review Physics Education Research*, receiving recognition as an Editor's Suggestion.

[TO THE PAPER](#)

News from Quantum Flagship projects

QIA project news

Quantum repeater successfully implemented using trapped ions

Quantum physicists led by Ben Lanyon at the University of Innsbruck have now succeeded in building a quantum repeater node for the standard wavelength of telecommunication networks

and transmitted quantum information over tens of kilometres — a fully functioning network node made with two single matter systems enabling entanglement creation with a photon at the standard frequency of the telecommunications network and entanglement swapping operations.

Lanyon's team is part of the Quantum Internet Alliance (QIA) project under the Quantum Flagship. The scientists were able to demonstrate the transfer of quantum information over a 50-kilometer-long optical fiber with the new fully functioning network node. The research was recently published in [Physical Review Letters](#).

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QIA project news

QIA Spring Meeting takes place



Over 150 members of the Quantum Internet Alliance, representing almost all partners, participated in the QIA Spring Meeting, enjoying a combination of scientific talks and poster presentations by young researchers and innovators.

Held from 31 May to 2 June in Sorbonne University in Paris, France, the meeting featured 11 plenary talks and 15 work discussions on key QIA activities. The meeting was dedicated to align and exchange progress towards QIA's objectives and to brainstorm on next steps.

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Responsibility

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