Dear,

Since 1 May the new Coordination and Support Action (CSA) to support the Quantum Flagship is officially in place. Find out what is new in this newsletter.

The European Innovation Council is running a new pathfinder challenge. Dedicated to quantum technologies you can submit your proposals till October 19.

For students there is currently an open invitation for the QTOM-MQST Masters Symposium. You are invited to submit an abstract about your quantum research work. Deadline is June 24th.

We also want to highlight a nature article launched by the AQTION project. Find all information on it in this newsletter issue.

If you would like to inform the Quantum community on any QT activities or events within your national or regional community or provide us your feedback to the QT newsletter, please send it to newsletter@qt.eu.

Best regards
The Quantum Flagship Coordination Team

→ New CSA to support the Quantum Flagship started
→ News from the European Commission
→ Quantum Education
→ News from Quantum Flagship Projects
The Quantum Flagship enters a new industry-oriented phase, focused on strengthening the link between the research community and the market by means of technology scale-up and transfer to companies. This will come with a new Coordination and Support Action, entitled QUCATS (2022-2025).

QUCATS will run from May 1, 2022 to April 30, 2025, in order to develop and maintain a vision on the strategy and growth of all quantum technologies.

News from the European Commission

Call for proposals

**EIC Pathfinder Challenge**: Alternative approaches to Quantum Information Processing, Communication, and Sensing

The scope of this call is to develop innovative approaches to encoding, manipulating, or storing information in quantum objects, or to exploiting quantum phenomena for information processing, communication, and sensing in a way that differs from the mainstream approaches currently being pursued in quantum research.

Proposals should clearly identify the limits of the current quantum information processing paradigms they are trying to improve upon and propose relevant metrics to track progress and demonstrate success or a superior paradigm compared with conventional quantum information processing approaches.

Quantum Education
Upcoming event

QTOM-MQST Masters Symposium
Friday 15th July, 14:00-16:00

Students of any degree programs from the QTOM network are invited to submit an abstract to give a short online talk presenting their Quantum Technology project or thesis-based research, in the first QTOM-MQST Master's Symposium

All may register, and a limited number of slots are available for students to give a short talk about their own research.

Abstract submissions are open until Friday 24th June. Successful candidates will be notified by Monday 27 June.

The presentations will be judged by a panel of experts from the QTOM community and a prize will be offered to the best student talk: QTEdu Open Master Symposium Prize to attend the Quantum Future Academy in Berlin in August 2022.

FURTHER INFORMATION

News from Quantum Flagship Projects

News from AQTION project

Getting closer to error-free quantum computing
A team of AQTION researchers implements, in an article published in Nature, a universal set of computational operations on fault-tolerant quantum bits for the first time, demonstrating how an algorithm can be programmed on a quantum computer so that errors do not spoil the result.