



# News from the European Quantum Flagship

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](mailto:newsletter@qt.eu).

Best regards  
The Quantum Flagship Coordination Team

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[New CSA to support the Quantum Flagship started](#)

## Consolidating the Course of Quantum Technologies

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.

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## 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.

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## Quantum Education

Upcoming event

## QTOM-MQST Masters Symposium

Friday 15th July, 14:00-16:00

**QTOM-MQST Masters Symposium**

This online symposium for students from the QTOM network to present their own research will be hosted online by ICFO on Friday 15 July 14:00 - 16:00.

A **QTEdu Open Master Symposium Prize** to attend the Quantum Future Academy in Berlin in August 2022 will be awarded to the best talk, as judged by a panel of experts.

Deadline: Friday 24 June  
Link: <http://s.ic fo/goBrF>

Participating Institutions

UNIVERSITAT DE BARCELONA, UFM, ICFO, IFAE, AAHRUS UNIVERSITY, CTU, QTOM

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.

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