



Dear ,

In this newsletter we will tell you about the next European Quantum Technologies Conference, EQTC 2023, coming in October this year and the World Quantum Day 2023.

We will also share with you interesting news from two Quantum Flagship projects.

Furthermore, we will inform you about a new quantum-focused job board, the recently published Standardisation Roadmap on Quantum Technologies, the Rolling Plan for ICT standardisation featuring a new chapter on QT and a project dedicated to developing high-performance, secure, and certifiable European quantum key distribution systems.

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

- **[European Quantum Technologies Conference 2023](#)**
- **[Call for feedback: European Competence Framework for Quantum Technologies](#)**
- **[Quantum Flagship at Mobile World Congress 2023](#)**
- **[Round Table on QT at the MWC 2023](#)**
- **[New Standardisation Roadmap on Quantum Technologies](#)**
- **[Rolling Plan for ICT standardisation features new chapter on QT](#)**
- **[OpenSuperQPlus project is extended and enhanced](#)**
- **[Master in Quantum Science and Technology in Barcelona](#)**
- **[World Quantum Day 2023](#)**
- **[QuIC launches new job board](#)**
- **[Developing ready-to-deploy European Quantum Key Distribution systems](#)**

News from the Quantum Flagship

Quantum Flagship event news

European Quantum Technologies Conference 2023



European Quantum Technologies Conference 2023

Hosted by Quantum Valley Lower Saxony

This year's [European Quantum Technologies Conference \(EQTC\)](#), organised by [Quantum Valley Lower Saxony \(QVLS\)](#), a leading German quantum hub, in cooperation with the Quantum Flagship, will take place in Hannover from 16 to 20 October 2023.

The EQTC 2023 will bring together leading minds from science, industry and politics with up to 1,000 expected guests.

The event will showcase all main scientific and technological pillars of the Quantum Flagship and the European ecosystem as well as global developments. Special attention will also be dedicated to the transfer of these research-intensive technologies to European industry and presentation of the most promising start-ups.

[READ MORE](#)

Quantum Flagship event news

Call for feedback: European Competence Framework for Quantum Technologies

The QUCATS project is currently revising the [European Competence Framework for Quantum Technologies](#), a tool to establish transparency between education and industry requirements. We invite you to participate in the revision and help shape the competence framework.

Register now for one of the two meetings on Tuesday, **21 March, 15:00-17:00 (CET)** or Friday, **24 March, 10:00-12:00 (CET)**.

After a short introduction to the competence framework and the changes compared to the previous version, we will be pleased to collect and discuss your comments.

Quantum Flagship event news

Quantum Flagship at Mobile World Congress 2023



With 88.500 attendees from 202 countries, European quantum technologies were in the spotlight at world's largest event for mobile technology #MWC23. At the Quantum Flagship booth, startups & initiatives gathered to highlight their milestones, newest products & latest disruptive innovations in the quantum field driven forward by Europe to enable their integration in the market.

High-profile guests showed their clear interest in quantum technologies: "**Inspiring visit of the European Quantum Flagship initiative — with first tangible results [...]**" said Thierry Breton, European Commissioner for Internal Market. Within the 100m² European Quantum Space, an daily 'coffee talks' series took place to connect with different stakeholders and create potential synergies and business opportunities.

[READ MORE](#)

[READ MORE](#)

Quantum Flagship event news

Round Table on QT at the MWC 2023



Quantum Technology was also visible at the MWC2023 during a round table dedicated to it on 1 March, "A Quantum Lead into the Future", with a large audience filling the room past capacity.

A first panel was held on the next steps of quantum computing in Europe and the role played by startups. How to structure specialized startups in Europe and how the software brick can help quantum breakthroughs were among the topics discussed by representatives of OVHcloud, Quandela, PASQAL and Multiverse.

A second round table discussed the challenges of quantum communication with panelists from Moody's Analytics, LuxQuanta, Quside and Airbus Defence and Space.

News from the Quantum Flagship

New Standardisation Roadmap on Quantum Technologies

1001 days after the kick-off meeting of the CEN-CENELEC **Focus Group on Quantum Technologies** (FGQT), it has published a standardization roadmap and use-case document. The FGQT - which includes the Quantum Flagship - was established to identify standardisation needs and opportunities for the entire field of QT.

Based on this work, CEN-CENELEC's 34 member states decided to establish the Joint Technical Committee 22 (JTC22) on Quantum Technologies, which kicked off 9 March in Berlin. If you want to learn more about this new standardisation activity or get involved, please contact **your National Standards Body** or the **JTC22 Secretariat at DIN**.

More news on standardisation

Rolling Plan for ICT standardisation features new chapter on QT

Last Tuesday the European Commission published an update to the Standardisation Rolling Plan for information and communication technologies (ICT). The aim of the plan is to provide a unique bridge between EU policies and standardisation activities concerning ICT.

The plan features a new chapter dedicated to Quantum Technology to which QuIC and TNO have provided several inputs. In fact, QuIC and the Quantum Flagship Coordination and Support Action *QUCATS* are also explicitly mentioned in the plan.

[READ MORE](#)

News from Quantum Flagship projects

OpenSuperQPlus project news

OpenSuperQPlus project is extended and enhanced

The Quantum Flagship project **OpenSuperQPlus** officially got underway on 1 March, as a follow-up to the successful OpenSuperQ - 'Open Superconducting Quantum Computers' project. It will work on a 100-qubit quantum computing system in the medium term, with the seven-year goal of scaling up to 1,000 qubits. The consortium is made up of 28 partners from 10 different countries, with funding totalling €20 million, and is coordinated by Forschungszentrum Jülich.

[READ MORE](#)

DigiQ event news

Master in Quantum Science and Technology in Barcelona

The Master in Quantum Science and Technologies is aimed at graduates in Physics, Physical Engineering or



Master in Quantum Science and Technology, Barcelona

Develop new skills and experience a dynamic ecosystem of universities, research institutes and companies pushing the boundaries of scientific knowledge and new technologies.

Syllabus
Advanced courses in quantum theory, and key experimental and technological platforms:

- Quantum Theory
- Quantum Software
- Quantum Hardware
- Quantum Optics

Career Development & Industry Engagement
Interaction with local and international research groups & companies working on Quantum Technologies.

- Entrepreneurship & Innovation
- Internships
- Topical Seminars
- Annual Career Symposium

Key Facts

- Start date: September 2023
- Duration: 1 year, 60 ECTS
- Place: Facultat de Física (UB)
- Fees: €1650 (EU), €4,500 (non-EU)
- Contact: master.quantum.bcn@ub.edu

Apply now for 2023-2024 (limited places)
quantummasterbarcelona.eu

Participating Institutions: UB, ICFO, IFAE, ICMAT, ICIQ, IQO, IQM, IQS, IQT, IQV, IQW, IQX, IQY, IQZ, IQAA, IQAB, IQAC, IQAD, IQAE, IQAF, IQAG, IQAH, IQAI, IQAJ, IQAK, IQAL, IQAM, IQAN, IQAO, IQAP, IQAQ, IQAR, IQAS, IQAT, IQAU, IQAV, IQAW, IQAX, IQAY, IQAZ, IQBA, IQBB, IQBC, IQBD, IQBE, IQBF, IQBG, IQBH, IQBI, IQBJ, IQBK, IQBL, IQBM, IQBN, IQBO, IQBP, IQBQ, IQBR, IQBS, IQBT, IQBU, IQBV, IQBW, IQBX, IQBY, IQBZ, IQCA, IQCB, IQCC, IQCD, IQCE, IQCF, IQCG, IQCH, IQCI, IQCJ, IQCK, IQCL, IQCM, IQCN, IQCO, IQCP, IQCQ, IQCR, IQCS, IQCT, IQCU, IQCV, IQCW, IQCX, IQCY, IQCZ, IQDA, IQDB, IQDC, IQDD, IQDE, IQDF, IQDG, IQDH, IQDI, IQDJ, IQDK, IQDL, IQDM, IQDN, IQDO, IQDP, IQDQ, IQDR, IQDS, IQDT, IQDU, IQDV, IQDW, IQDX, IQDY, IQDZ, IQEA, IQEB, IQEC, IQED, IQEE, IQEF, IQEG, IQEH, IQEI, IQEJ, IQEK, IQEL, IQEM, IQEN, IQEO, IQEP, IQEQ, IQER, IQES, IQET, IQEU, IQEV, IQEW, IQEX, IQEY, IQEZ, IQFA, IQFB, IQFC, IQFD, IQFE, IQFF, IQFG, IQFH, IQFI, IQFJ, IQFK, IQFL, IQFM, IQFN, IQFO, IQFP, IQFQ, IQFR, IQFS, IQFT, IQFU, IQFV, IQFW, IQFX, IQFY, IQFZ, IQGA, IQGB, IQGC, IQGD, IQGE, IQGF, IQGG, IQGH, IQGI, IQGJ, IQGK, IQGL, IQGM, IQGN, IQGO, IQGP, IQGQ, IQGR, IQGS, IQGT, IQGU, IQGV, IQGW, IQGX, IQGY, IQGZ, IQHA, IQHB, IQHC, IQHD, IQHE, IQHF, IQHG, IQHI, IQHJ, IQHK, IQHL, IQHM, IQHN, IQHO, IQHP, IQHQ, IQHR, IQHS, IQHT, IQHU, IQHV, IQHW, IQHX, IQHY, IQHZ, IQIA, IQIB, IQIC, IQID, IQIE, IQIF, IQIG, IQIH, IQII, IQIJ, IQIK, IQIL, IQIM, IQIN, IQIO, IQIP, IQIQ, IQIR, IQIS, IQIT, IQIU, IQIV, IQIW, IQIX, IQIY, IQIZ, IQJA, IQJB, IQJC, IQJD, IQJE, IQJF, IQJG, IQJH, IQJI, IQJJ, IQJK, IQJL, IQJM, IQJN, IQJO, IQJP, IQJQ, IQJR, IQJS, IQJT, IQJU, IQJV, IQJW, IQJX, IQJY, IQJZ, IQKA, IQKB, IQKC, IQKD, IQKE, IQKF, IQKG, IQKH, IQKI, IQKJ, IQKK, IQKL, IQKM, IQKN, IQKO, IQKP, IQKQ, IQKR, IQKS, IQKT, IQKU, IQKV, IQKW, IQKX, IQKY, IQKZ, IQLA, IQLB, IQLC, IQLD, IQLE, IQLF, IQLG, IQLH, IQLI, IQLJ, IQLK, IQLL, IQLM, IQLN, IQLO, IQLP, IQLQ, IQLR, IQLS, IQLT, IQLU, IQLV, IQLW, IQLX, IQLY, IQLZ, IQMA, IQMB, IQMC, IQMD, IQME, IQMF, IQMG, IQMH, IQMI, IQMJ, IQMK, IQML, IQMN, IQMO, IQMP, IQMQ, IQMR, IQMS, IQMT, IQMU, IQMV, IQMW, IQMX, IQMY, IQMZ, IQNA, IQNB, IQNC, IQND, IQNE, IQNF, IQNG, IQNH, IQNI, IQNJ, IQNK, IQNL, IQNM, IQNN, IQNO, IQNP, IQNQ, IQNR, IQNS, IQNT, IQNU, IQNV, IQNW, IQNX, IQNY, IQNZ, IQOA, IQOB, IQOC, IQOD, IQOE, IQOF, IQOG, IQOH, IQOI, IQOJ, IQOK, IQOL, IQOM, IQON, IQOO, IQOP, IQOQ, IQOR, IQOS, IQOT, IQOU, IQOV, IQOW, IQOX, IQOY, IQOZ, IQPA, IQPB, IQPC, IQPD, IQPE, IQPF, IQPG, IQPH, IQPI, IQPJ, IQPK, IQPL, IQPM, IQPN, IQPO, IQPP, IQPQ, IQPR, IQPS, IQPT, IQPU, IQPV, IQPW, IQPX, IQPY, IQPZ, IQQA, IQQB, IQQC, IQQD, IQQE, IQQF, IQQG, IQQH, IQQI, IQQJ, IQQK, IQQL, IQQM, IQQN, IQQO, IQQP, IQQQ, IQQR, IQQS, IQQT, IQQU, IQQV, IQQW, IQQX, IQQY, IQQZ, IQRA, IQRB, IQRC, IQRD, IQRE, IQRF, IQRG, IQRH, IQRI, IQRJ, IQRK, IQRL, IQRM, IQRN, IQRO, IQRP, IQRQ, IQRR, IQRS, IQRT, IQRU, IQRV, IQRW, IQRX, IQRY, IQRZ, IQSA, IQSB, IQSC, IQSD, IQSE, IQSF, IQSG, IQSH, IQSI, IQSJ, IQSK, IQSL, IQSM, IQSN, IQSO, IQSP, IQSQ, IQSR, IQSS, IQST, IQSU, IQSV, IQSW, IQSX, IQSY, IQSZ, IQTA, IQTB, IQTC, IQTD, IQTE, IQTF, IQTG, IQTH, IQTI, IQTJ, IQTK, IQTL, IQTM, IQTN, IQTO, IQTP, IQTQ, IQTR, IQTS, IQTT, IQTU, IQTV, IQTW, IQTX, IQTY, IQTZ, IQUA, IQUB, IQUC, IQUD, IQUE, IQUF, IQUG, IQUH, IQUI, IQUJ, IQUK, IQUL, IQUM, IQUN, IQUO, IQUP, IQUQ, IQUR, IQUS, IQUT, IQUU, IQUV, IQUW, IQUX, IQUY, IQUZ, IQVA, IQVB, IQVC, IQVD, IQVE, IQVF, IQVG, IQVH, IQVI, IQVJ, IQVK, IQVL, IQVM, IQVN, IQVO, IQVP, IQVQ, IQVR, IQVS, IQVT, IQVU, IQVV, IQVW, IQVX, IQVY, IQVZ, IQWA, IQWB, IQWC, IQWD, IQWE, IQWF, IQWG, IQWH, IQWI, IQWJ, IQWK, IQWL, IQWM, IQWN, IQWO, IQWP, IQWQ, IQWR, IQWS, IQWT, IQWU, IQWV, IQWW, IQWX, IQWY, IQWZ, IQXA, IQXB, IQXC, IQXD, IQXE, IQXF, IQXG, IQXH, IQXI, IQXJ, IQXK, IQXL, IQXM, IQXN, IQXO, IQXP, IQXQ, IQXR, IQXS, IQXT, IQXU, IQXV, IQXW, IQXX, IQXY, IQXZ, IQYA, IQYB, IQYC, IQYD, IQYE, IQYF, IQYG, IQYH, IQYI, IQYJ, IQYK, IQYL, IQYM, IQYN, IQYO, IQYP, IQYQ, IQYR, IQYS, IQYT, IQYU, IQYV, IQYW, IQYX, IQYY, IQYZ, IQZA, IQZB, IQZC, IQZD, IQZE, IQZF, IQZG, IQZH, IQZI, IQZJ, IQZK, IQZL, IQZM, IQZN, IQZO, IQZP, IQZQ, IQZR, IQZS, IQZT, IQZU, IQZV, IQZW, IQZX, IQZY, IQZZ

equivalent degrees who want to continue specialization studies in Quantum Science and Technologies. The master provides access to 60+ cutting-edge theoretical and experimental research groups across 3 universities and 4 research centres, working on quantum communication, computing, materials, sensing, and simulation, fields aligned with major pillars of the European Quantum Flagship. The program provides access to PhD programs at the participating institutes and will advance the future careers of students interested in working in academia or industry in this exciting and fast-moving field.

Joint this year's edition and submit your applications.

[READ MORE](#)

News from the Community

Event news

World Quantum Day 2023



World Quantum Day is less than one month away!

Don't miss out on the opportunity to be part of the global celebration of World Quantum Day on **14 April 2023**. Visit the [Event Map](#) to see the events already planned on and around 14 April 2023. From talks and workshops to hackathons and exhibitions, there's something for everyone interested in the field of quantum science and technology.

World Quantum Day is a bottom-up initiative aimed at promoting public understanding of Quantum Science and Technology around the World. There's still

time to [submit your own event](#) for World Quantum Day, and you can explore other ways to engage and participate [here](#).

Find the latest news and developments on Twitter [@WorldQuantumDay](#) and the [World Quantum Day website](#).

[READ MORE](#)

News from QuIC

QuIC launches new job board

QuIC has launched a job board featuring all open quantum-focused positions of its members and open adjacent positions of its SMEs. The job board is arguably Europe's largest quantum-industry-focused job board, boasting over 250 jobs at the time of writing.

[FIND JOBS](#)

News from QKISS

Developing ready-to-deploy European Quantum Key Distribution systems

Funded by the European Commission under the Digital Europe programme, the QKISS (Quantum Key Industrial Systems) project aims to develop high-performance, secure, and certifiable European quantum key distribution (QKD) systems within 2 to 3 years.

Launched in January 2023, the project brings together two high-tech industrial groups, Exail and Thales, and two leading academic teams from Université Paris-Saclay and Sorbonne Université.

[READ MORE](#)



Funded by the European Commission

Responsibility

This newsletter is operated by the project "QUCATS – the Quantum Flagship Coordination and Support Action", which is funded by the European Commission.

Responsible for the content of this newsletter is:

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

Email: info@qt.eu

[Unsubscribe](#)

© Quantum Flagship | [Imprint](#) | [Privacy Policy](#) | [Contact](#)