



Quantum for Industry: free courses and how to use generative AI in quantum

April 29, 2025

13:30 to 17:30

ICFO Auditorium

QTIndu is currently developing a comprehensive catalogue of quantum courses for industry. This event will be a unique opportunity to learn more about this program and for practical Training in Generative AI for Quantum companies and beyond.

Offered through the EU QTIndu initiative.

Training in Generative AI for Quantum Companies and beyond

As part of Europe's broader effort to boost industry quantum readiness, this fast-paced, 90-minute hybrid-format workshop followed by a 75-minute in-person session

offers hands-on demonstrations of how Generative AI tools like GPT can be leveraged by quantum tech companies and adjacent industries.

Whether you're a **quantum technology provider**, a **growing startup**, or a **potential end-user exploring applications**, this session delivers actionable insights on how to strategically implement AI-driven workflows in both the quantum specific and the more operational aspects of your organization- **no prior GPT experience required**.

What you'll learn:

Operational Innovation & Competitive Positioning: Learn how GPT can help rapidly prototype new product and process ideas, generate customer personas, and create project plans with embedded risk mitigation.

Ecosystem Positioning & Brand Narrative: Explore how to strategically communicate your company's role in the evolving European quantum ecosystem.

Designing Next-Gen Virtual Assistants: See examples of advanced, human-in-the-loop AI assistants designed to support deeply integrated development workflows.

This workshop is supported by the **EU-funded QTIndu project** and draws on cutting-edge research from the **European Quantum Readiness Center (EQRC)**.

Who should attend: Industry professionals, innovation leads, engineers, product managers, and tech strategists - especially from quantum companies seeking to make AI a core part of their innovation and branding strategy.

Bonus: This is just the beginning. Attendees will receive exclusive opportunities for follow-up training sessions and tailored company support.

PROGRAM:

13:30 - 14:00 [HYBRID] QTIndu: Introduction to Quantum Technologies for Industry project and the free courses offering

14:00 - 15:30 [HYBRID] Practical application of generative AI for the quantum industry workshop.

15:30 - 15:45 | Coffee Break

15:45 - 17:00 | IN PERSON | Hands on session 'use of generative AI for the quantum industry'

17:00 - 17:30 | Closing Remarks: Bridging Academia and Industry for Quantum Advancement

No GPT experience required - just curiosity and ambition. Online and at ICFO, Castelldefel (Barcelona)

Part of the EU QTIndu initiative. Brought to you with support from the European Quantum Readiness Center (EQRC).

#GenerativeAI #QuantumTechnologies #HybridIntelligence #GPT #EQRC #QTIndu
#Innovation #EUProjects #AIworkflows #QuantumComputing #Workshop #QuantumEducation
#QuantumReadiness #GenAI #GPTWorkshop #QuantumTech #HybridIntelligence

REGISTER NOW!

Registration deadline to attend in person - open now until Tuesday 23 April 2025

Registration deadline to attend online - will open on Tuesday April 23 until Monday 28 April.

Participating institutions:

[QTIndu](#) (Quantum Technology Courses for Industry) is a pan-European project aimed at developing industry-specific training programs in quantum technologies to prepare the workforce for the emerging quantum economy. Launched in January 2023, the project is coordinated by QURECA SPAIN SL and supported by a 5.6 million grant from the European Commission's Digital Europe Programme.

[DigiQ](#) project will spearhead a transformation of the educational ecosystem by introducing both a series of didactical innovations as well as a multinational program structure ready to be scaled up to the rest of the European Higher Education Area.

Organizing institutions:

ICFO is a young research institution that aims to advance the very limits of the science and technology of light, tackling important challenges faced by society at large in all areas of life, including health, energy, information, safety, security and caring for the environment. ICFO is a member of [BIST](#), the Barcelona Institute of Science and Technology, and is situated in Castelldefels, a small town located by the sea just outside of Barcelona, Spain. More

information about how to get to ICFO can be found [HERE](#).

Aarhus University, located in Denmark, is one of the leading universities in Europe, known for its high academic standards and cutting-edge research. Established in 1928, it offers a wide range of programs in various disciplines and has a strong international presence. The university fosters innovation and collaboration, contributing significantly to scientific advancements and global knowledge. [Website](#)

QURECA is a leading company specializing in quantum computing and quantum technologies. It offers training, consulting, and educational resources to help individuals and organizations navigate the rapidly growing field of quantum computing. With a focus on innovation, QURECA empowers professionals to advance their knowledge and expertise in quantum science. Their services cater to both beginners and experts aiming to harness the potential of quantum technologies. [Website](#)

DIVERSITY AND INCLUSION AT ICFO:

Diversity, along with respect for others and scientific rigor, is one of ICFO's core values. Part of ICFO's strength lies in the diversity of perspectives and contributions of all its members. Great care is taken to nurture optimal conditions within the institute that provide ICFOians with an ambiance conducive to world-class research. The Gender Equality Committee was formed with the mandate to discuss initiatives raised by the ICFO community in regards to gender, design a yearly plan with actions and initiatives in this scope, follow-up and evaluate completed activities, raise awareness of the topic within ICFO, and act as a mediation body for appeals and conflicts.

ICFO is committed to promoting and ensuring a working environment where individuals are treated with respect, equality and courtesy. In keeping with this goal, ICFO will not tolerate any type of conduct or behavior considered harassment or bullying. [More information](#).