ICFO

Quantum Education Summit 2025

December 03, 2025 to December 05, 2025
Cosmocaixa, Barcelona

Quantum technologies are poised to redefine industries, revolutionize problem-solving, and accelerate scientific discovery. Accessible quantum education is no longer a luxury but a necessity to ensure inclusivity and innovation across all sectors.
The **Quantum Education Summit 2025** aims to break down barriers to quantum knowledge by offering sessions tailored to all levels of expertise.
From beginners exploring the basics to advanced learners delving into cutting-edge developments, the event emphasizes the need to make quantum technologies both understandable and accessible to all.
The summit will include Keynote lectures, Invited and contributed talks, Round table discussions, Workshops, Networking opportunities. Coffee and lunch breaks during the sessions are included.
Invited speakers:

Agata Branczyk, Quantum Salon

Ana Belen Sainz, University of Gdansk (UG)
Andrew White, University of Queensland (UQ)
Bob Coecke, Quantinuum (QNT)
Carl Wieman, Stanford University (SU)
Eboney Hearn, Massachusetts Institute of Technology (MIT)
Franziska Greinert, Technische Universitat Braunschweig (TUBS)
Heather Lewandowski, University of Colorado Boulder (UCB)
Laura Piispanen, Aalto University (AU)
Maite Dupuis, Perimeter Institute for Theoretical Physics (PI)
Peter Turner, Sydney Quantum Academy (SQA)
Philipp Bitzenbauer, University of Leipzig (UL)
Rod Van Meter, Keio University (KU)
Marilu Chiofalo, University of Pisa
Zeki Seskir, Karlsruhe Institute of Technology (KIT)

Main Topics:

Foundations of Quantum Education. Integrating quantum content into undergraduate an engineering programs.
Educational Innovations. Technological and methodological innovations in hardware digitalization, and pedagogy.
Building a Quantum Ecosystem, Insights from institutional representatives and ke stakeholders.
Workforce Development & Continuing Education. Addressing industry needs and bes practices for training professionals in the field.
Widening Access & Inclusion in Quantum Education. Showcasing global and student-le initiatives to expand participation.
Outreach Initiatives. Promoting accessibility and engagement with the broader public.

The Summit aspires to strengthen Europe's leadership in quantum education and build lasting connections between academia, industry, and society. It is supported by the **Catalonia Quantum Academy**, the educational pillar of **Quantica - the Mediterranean Quantum Valley**, alongside major European initiatives including **DigiQ**, **QTIndu**, and **QuCATS**. To ensure a tangible and visible outcome, participants will be invited to contribute to a **white paper on quantum education and workforce development**, aligned with regional, national, and international policy efforts.
Registration is now open!
Participation fees:

Until 31 July 2025, Early Bird fees: General entrance: 250? / Student: 50?
From 1 August 2025: General entrance: 350? / Student: 120?
Registration deadline: 31 October 2025

Venue: Cosmocaixa (Barcelona)
Address: Carrer d'Isaac Newton, 26., Sarria-Sant Gervasi, 08022 Barcelon
CosmoCaixa is a leading science museum located in Barcelona and managed by the « a Caixa» Foundation. It is dedicated to promoting scientific knowledge and curiosity thro gh interactive and engaging exhibits. The museum covers a wide range of scientific disciplin s, including physics, chemistry, biology, geology, and astrono
Program Committee:

Adan Garriga, EURECAT
Alba Cervera, BSC
Anna Sanpera, UAB
Araceli Venegas-Gomez, QURECA
Bruno Julia, UB
Eduard Alarcon, UPC
Jacob Sherson, AU
Lydia Sanmarti, ICFO
Paola Frongia, ICFO
Rainer Müller, TU Braunschweig
Robert Sewell, ICFO
Simon Goorney, AU
Veronica Ahufinger, UAB