360 Carla
Quantum Technologies

Experience
Barcelona

Dates.

12 March, 2026

Venue.

Qilimanjaro Quantum Tech
Carrer de Veneçuela, 74
Barcelona

QILIMANJARO
QUANTUM·TECH

Audience.

University students and early stage researchers.

Registration.

Register at
www.carlahub.eu

www.carlahub.eu

Follow us for more information

🔘 in 𝕏 🦋 **#carlahub**

In collaboration with

ECOP

Organized by

ICFO

QILIMANJARO
QUANTUM·TECH

Partners

ICFO

VUB — B-PHOT BRUSSELS PHOTONICS

TUDelft

PHOTONICS AUSTRIA

SWISS PHOTONICS

M3I

SLOVAK CENTRE OF SCIENTIFIC AND TECHNICAL INFORMATION

POLITECNICO MILANO 1863

INSTITUT d'OPTIQUE GRADUATE SCHOOL ParisTech

PhotonicSweden
The Swedish Technology Platform in Optics and Photonics

Photonics Finland

EOS European Optical Society

![360 Carla Quantum Technologies logo]

Experience
Barcelona

Host.

Qilimanjaro Quantum Tech QILIMANJARO QUANTUM·TECH

Description.

Qilimanjaro is a full-stack quantum computing company based in Barcelona, founded in 2019 with the goal of maximizing current technological capabilities and delivering practical quantum advantage in a shorter timeframe. Its innovation is based on the analog model of quantum computation, leveraging high-quality superconducting flux qubits and versatile qubit-qubit interactions to build application-specific quantum solutions. Qilimanjaro follows a co-design approach, aligning quantum chip design closely with real-world use cases. The company offers an exclusive hybrid Quantum-as-a-Service model, providing remote access to analog quantum computing platforms, digital quantum computers, and classical simulators. In addition, Qilimanjaro provides boutique services for tailored algorithm design, deployment and integration of in-premises quantum computers for HPC centers and client facilities, and exploratory services to help companies identify how quantum computing can support their business needs.

This activity offers participants an immersive introduction to Qilimanjaro and its distinctive quantum computing technology. The experience will begin with a short introductory session presenting Qilimanjaro's mission, technological approach, and role within the quantum ecosystem. This will be followed by a guided laboratory visit, providing first-hand insight into the company's facilities and ongoing work. During the visit, participants will be introduced to both digital and analog quantum computation concepts and will be encouraged to collaboratively explore problem-solving approaches inspired by real challenges in quantum technologies. The session will be highly interactive, fostering discussion, curiosity, and exchange, with guidance from Qilimanjaro's researchers and engineers.

Program

12 March 2026

9:30-9:45	**Short introductory session**	Qilimanjaro's mission, technological approach, and role within the quantum ecosystem
9:45-10:00	**Guided laboratory visit**	Led by a member of Qilimanjaro's team, providing first-hand insight into the company's facilities and ongoing work
10:00-12:30	**Hackathon**	Hands-on hackathon to dive into the fascinating world of quantum technologies through interactive challenges and collaborative problem-solving