

# QUANTUM LATINO

## 2023

### EVENT BOOKLET



Building a connected Quantum Community  
in Latin America

A Hybrid Conference  
in **Lima, Peru**  
10 -12 October 2023

Location: Open PUCP, Lima, Peru

Organised by



Quantum-South





# About the event

Quantum Latino, the most important and largest quantum event in Latin America, marked its third year with significant success. The event saw substantial growth in the Latin American quantum technologies community. It offered a platform for academic researchers, industry professionals, and quantum enthusiasts to connect, collaborate, and exchange knowledge. This year's conference was a hybrid event, with a combination of in-person and online participation, further expanding its reach. We are very pleased with the growing commitment from participants, the high-quality speakers, and the collaboration with Open PUCP of the Pontificia Universidad Católica del Perú, which provided exceptional infrastructure for the event. **With 2025 declared as the Year of Quantum, we look forward to continuing to foster the quantum ecosystem in Latin America and beyond.**

#qee23 #quantumlatino23

Program Committee: Araceli Venegas-Gomez, Rafael Sotelo, Martín Machín,  
Salvador Venegas-Andraca, Enrique Solano

# The event in Numbers

>340



**REGISTERED ATTENDEES  
ONLINE & IN-PERSON**

3

**LANGUAGES**



Spanish, English, Portuguese

76

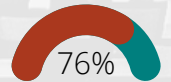
**SPEAKERS**



The event included keynote talks, short talks, startups and end users panel discussions, workshops and outreach activities.

## AUDIENCE LOCATION

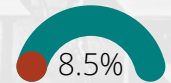
Latin America



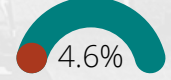
Europe



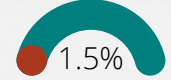
USA/Canada



Asia



Africa

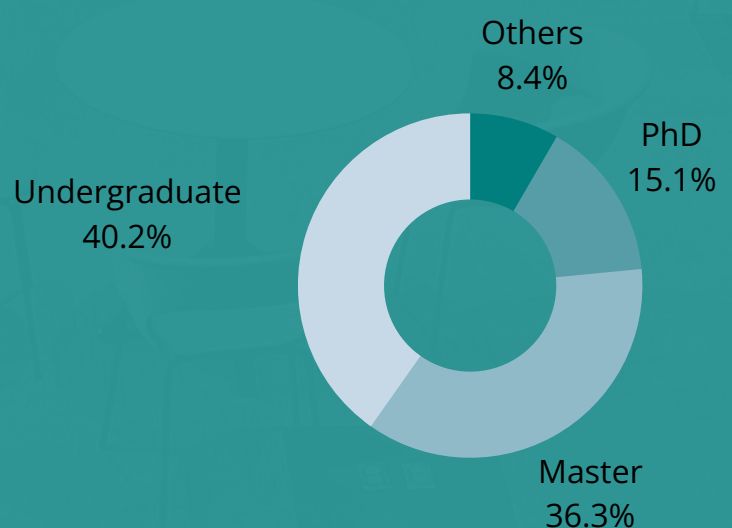
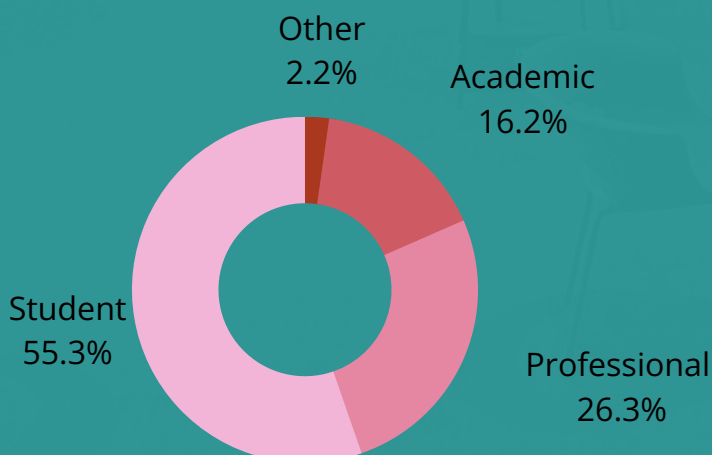


46

**TOTAL SESSIONS**



## ATTENDEES PROFILES



# Quantum Latino 2023 Feedback



It is a very good event to learn about the force in Latin America regarding quantum technology and a great opportunity to connect companies and universities. I really appreciate the idea of the Latin community working together on this topic.

- Maria Karolina Freitas

Something I like about this conference is that it has three divisions: they are three days with very clear and important divisions in the field. The first was more academic, the second was about industries and startups, and the last is about opportunities. These three parts are the three pillars that are basically holding the field together.

- Alejandro Gómez

For me, it was an inspiring experience, since I was able to see first-hand how efforts are being made in Latin America regarding quantum computing. It is an invaluable, unique, unprecedented and valuable event.

- Ricardo Angelo Quispe

Grateful to the organisers for the invitation to be part of Quantum Latino 2023. Excellent organization. Latin America can bootstrap itself and leapfrog ahead by creating and profiting strategically from key opportunities.

- Santiago Núñez-Corrales

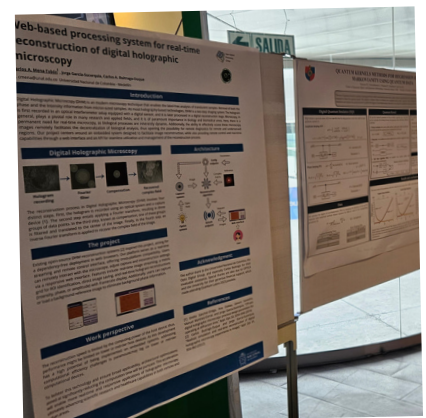
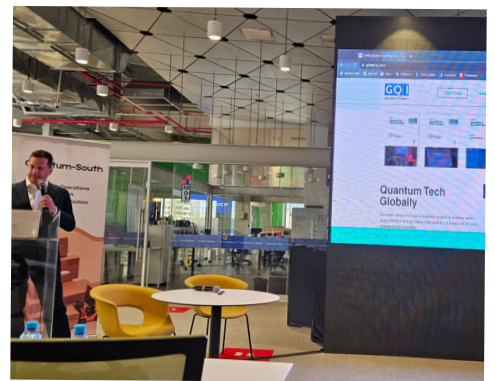
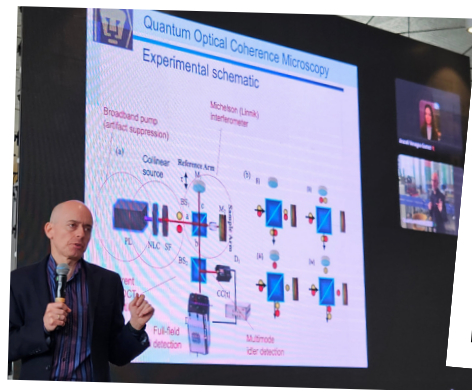
Latin America has the potential to join the global challenge of developing quantum technologies, not as a spectator, but as a protagonist.

- Dr. Carla Hermann A.

Awesome!! Great event!! Very interesting talks.  
Congratulations



# A connected Quantum Community in Latin America



More photos [HERE](#)

# You Met us in Lima



**Araceli Venegas-Gomez**  
Founder and CEO, [QURECA Ltd](#)



Araceli spent several years working for Airbus in Germany and France as an aerospace engineer, before falling in love with quantum mechanics. She then decided to follow her passion for physics, and moved to Scotland to pursue a PhD in quantum simulation at the University of Strathclyde. Following discussions with the different quantum stakeholders she had over the years, Araceli identified the need to bridge the gap between businesses and academia, as well as to raise the quantum awareness to the general public. Continuing her work on outreach advocating quantum technologies, she was named the “quantum ambassador”, after winning the Optical Society Milton and Rosalind Chang Pivoting fellowship in 2019. She then founded QURECA to create a link between the different stakeholders in the quantum community through a common language, and to generate global opportunities with quantum technologies.



**Rafael Sotelo**  
Co-Founder, [Quantum-South](#)  
Director ICT Department, Universidad de Montevideo



Rafael Sotelo is PhD from University of Vigo, Electrical Engineer (Universidad de la República) and MBA (Universidad de Montevideo). He is Director of Research at the School of Engineering, Universidad de Montevideo, and professor at Universidad de la República. He worked for more than 20 years at Broadcast, Telecommunications and IT companies. Consultant for the Ministry of Industry (2011-2020) and Laboratorio Tecnológico de Uruguay (2018-2020). Member of the National Research System, Fellow of the National Academy of Engineering of Uruguay ANIU and Senior Member of the IEEE. He currently is Regional Director (Latin America) of the IEEE Consumer Technology Society and member of the Board of Governors. He is also an elected member of the Administrative Committee of the IEEE Broadcast Technology Society (2016-18 and 2019-21). Rafael is co-founder of the start-up Quantum-South.



**Martín Machín**  
Co-Founder, [Quantum-South](#)



Martin is Co-Founder of Quantum-South. He is a Computer Science Engineer from the University of the Republic (Uruguay) with more than 30 years of international professional experience in the information technology, financial services, telecommunications, retail and dairy industry services sectors. He completed an MBA at IEEM at the University of Montevideo (Uruguay) and the Delivering Information Services program at Harvard Business School (Boston, MA). He is a mentor, investor and advisor to companies in information and emerging technologies, including ZirconTech in blockchain and Naxon Labs in neurotechnology; and develops business for Championsys. He was a director of Pyxis where he promoted international business and in the financial services sector. Previously, he was Head of the Global Delivery Center of Tata Consultancy Services in Montevideo and Director of the Banking, Financial Services and Insurance Area of the operation. He also worked at IBM, Conaprole, and Banco Comercial which was later acquired by Scotiabank.



**Enrique Solano**  
Founder and Chief Vision Officer, [Kipu Quantum](#)



Since 2021, Prof. Solano is founder and CEO of Kipu Quantum, Munich, Germany, for designing and productizing Multiplatform Modular Co-Design Quantum Computers with the mission of Useful Quantum Computers Now. Prof. Solano is an influential world-class leader and visionary in interdisciplinary fields related to quantum computing, quantum simulation, quantum artificial intelligence, and quantum technologies, where his unique perspectives in arts, science, technology, and entrepreneurship flourish.

# Meet The Sponsors



## KIPU QUANTUM

Kipu Quantum is a German company operating at the intersection of the quantum computer hardware and application software layers, with disruptive technological and algorithmic solutions for industries worldwide.

Its algorithms rely on a one-of-a-kind digital and digital-analog compression technology requiring orders of magnitude less circuit depth to solve a given problem.

Founded in 2021, Kipu Quantum's technology has the potential to solve industry- relevant problems in the order of 1,000-5,000 physical qubits and is compatible with every leading quantum hardware. The company is currently testing its technology with customers in the pharmaceutical, chemical, logistics, artificial intelligence, and finance industries.



# Meet The Sponsors



## ABOUT AMAZON WEB SERVICES (AWS)

Launched in 2006, Amazon Web Services (AWS) began exposing key infrastructure services to businesses in the form of web services — now widely known as cloud computing. The ultimate benefit of cloud computing, and AWS, is the ability to leverage a new business model and turn capital infrastructure expenses into variable costs. Businesses no longer need to plan and procure servers and other IT resources weeks or months in advance. Using AWS, businesses can take advantage of Amazon's expertise and economies of scale to access resources when their business needs them, delivering results faster and at a lower cost. Today, Amazon Web Services provides a highly reliable, scalable, low-cost infrastructure platform in the cloud that powers hundreds of thousands of businesses in 190 countries around the world. With data center locations in the U.S., Europe, Singapore, and Japan, customers across all industries are taking advantage of our low cost, elastic, open and flexible, secure platform.



## ATOM COMPUTING

Scientific and technological breakthroughs take years of tireless work, fighting for resources and pushing for acceptance of new ideas. What keeps researchers and engineers plodding on to the next big discovery? It's an obsession. A life's calling.

At Atom Computing, we're our customers' biggest fans on the journey of discovery. That's why we're obsessed with creating the world's most scalable and reliable quantum computers—giving them the power to develop breakthroughs that change the world.



## SEMIQON

At SemiQon, we're dedicated to advancing quantum computing with silicon-based processors, prioritizing scalability, affordability, and sustainability. Located in Espoo, Finland, we leverage semiconductor expertise and industry collaboration to build quantum processors for the million-qubit era. Our journey began as a spin-out from VTT's Launchpad Incubator, and in early 2023, we're poised to reshape the future of quantum computing.



## COREDEVX

Consultora & Centro de Investigación aplicada en tecnologías de la información.

En CoreDevX, Somos una Boutique de Ingeniería que implementa soluciones de vanguardia tecnológica para la innovación empresarial. Con un espíritu joven para innovar y crear conformamos una comunidad de talentos que mezcla investigadores, programadores, ingenieros y diseñadores con un sólido conocimiento técnico y práctico fundado en ciencia y tecnología.

Somos expertos en Data Science, AI Generativa, DevOps, DataOps, Blockchain y Robótica. Y en conjunto a coreDevX Labs indagamos en nuevas tecnologías como AR+VR y Quantum Computing Programming.

# Meet The Sponsors

## Student Grants Sponsor



### OPTICA (FORMERLY OSA)

Optica (formerly OSA), founded in 1916 to advance Optics and Photonics worldwide, is the society dedicated to promoting the generation, application, archiving and dissemination of knowledge in the field.



Students sponsored by OPTICA

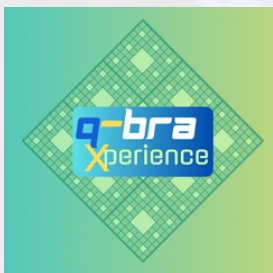
# Meet The Sponsors

## Academic Sponsor



LA ACADEMIA NACIONAL DE CIENCIAS DEL PERÚ

## Ambassador company of the Quantum Latino event in Brazil



Q-BRA XPERIENCE

## Supporting Partners



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A heartfelt thank you to all of our conference attendees, presenters, and event organizers for contributing to the success of this fantastic conference in 2023! Your participation played a pivotal role in making this event such a resounding achievement.

We also extend our gratitude to our sponsors for their valuable partnership and unwavering support.

We hope that this year's conference and its theme have inspired you to become a part of the rapidly expanding quantum community in Latin America.

Once again, thank you for being a part of Quantum Latino 2023, and we look forward to seeing you soon!



[www.quantum-latino.com](http://www.quantum-latino.com)

**Contact us**

[info@qureca.com](mailto:info@qureca.com)

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