ScienceQuest
CONNECTING MINDS, SHAPING TOMORROW

Global Summit on

Quantum Computing

March 19-21, 2026 | Barcelona, Spain

Day 1: March 19, 2026 – Foundations & Cutting-Edge Developments

09:00 – 10:00 | Opening Ceremony & Keynote Address

- Welcome Speech by Conference Chair
- Keynote: The Next Era of Quantum Computing – Scaling Towards Practicality

10:00 – 11:00 | Plenary Session 1: Breakthroughs in Quantum Hardware

- Superconducting Qubits & Circuit QED: Overcoming Decoherence Challenges
- Photonic Quantum Computing: Towards Scalable Quantum Networks

11:00 – 11:15 | Coffee Break & Networking

11:15 – 12:45 | Invited Talks on Quantum Random Number Generation

- True Randomness in Quantum Systems: Applications in Cryptography
- Quantum RNG vs. Classical Pseudo-RNG: A Security Perspective
- Entropy Extraction Techniques in Photonic & Superconducting Systems

12:45 – 14:00 | Lunch Break & Poster Viewing

14:00 – 15:30 | Symposium: Superconducting Qubits & Quantum Gates

- Optimizing Qubit Coherence for Long-Term Stability
- Quantum Error Correction in Superconducting Circuits
- Circuit QED and Scalable Quantum Architectures

15:30 – 16:00 | Coffee Break & Networking

16:00 – 17:30 | Panel Discussion: The Future of Quantum Computing Architectures

- Experts from IBM, Google, Microsoft, and emerging startups debate hardware trends.

17:30 – 19:00 | Welcome Reception & Networking Event

Day 2: March 20, 2026 – Applications & Industry Innovations

09:00 – 10:00 | Keynote Session

- Hybrid Quantum-Classical Computing: The Best of Both Worlds?

10:00 – 11:00 | Plenary Session 2: Quantum Computing for Cryptography & Security

- Post-Quantum Cryptography: Preparing for a Quantum-Secure World
- Quantum Key Distribution (QKD) and Real-World Implementations

11:00 – 11:15 | Coffee Break & Networking

11:15 – 12:45 | Featured Talks on Photonic Quantum Computing

- Light-Based Qubits: Challenges & Opportunities
- Scalability of Photonic Quantum Systems for Practical Computing
- Integrated Photonics: The Future of Quantum Networks?

12:45 – 14:00 | Lunch Break & Poster Presentations

14:00 – 15:30 | Workshop: Hands-On with Quantum Cloud Computing

- Live Demo: Running Quantum Algorithms on IBM Q, Google Cirq, and Amazon Bracket
- Developing Hybrid Quantum-Classical Applications in the Cloud

15:30 – 16:00 | Coffee Break & Networking

16:00 – 17:30 | Panel Discussion: Quantum Computing's Real-World Impact

- Experts from finance, healthcare, and cybersecurity discuss industry applications.

17:30 – 18:30 | Poster Session & Interactive Demos

Day 3: March 21, 2026 – Future Prospects & Ethical Considerations

09:00 – 10:00 | Keynote Session

- Commercializing Quantum Computing: Challenges & Market Trends

10:00 – 11:00 | Plenary Session 3: Ethics & Security in Quantum Computing

- Quantum AI Ethics: Bias, Privacy, and Decision-Making
- International Policies on Quantum Technology Development

11:00 – 11:15 | Coffee Break & Networking

11:15 – 12:45 | Symposium on Future Quantum Computing Trends

- Building a Quantum Internet: Roadblocks & Progress
- Next-Generation Qubits: Beyond Superconducting & Photonic Models
- Fault-Tolerant Quantum Computing: Are We There Yet?

12:45 – 14:00 | Lunch Break & Poster Presentations

14:00 – 15:30 | Roundtable Discussion: The Role of Governments & Industry in Quantum Tech

- Experts from academia, industry, and policymakers discuss future collaborations.

15:30 – 16:00 | Coffee Break & Networking

16:00 – 17:30 | Closing Ceremony & Awards

- Best Paper Award
- Best Poster Award
- Future of Quantum Computing & Closing Remarks

Trending Topics for Speaker Engagement:

To ensure highly interactive and engaging speaker sessions, consider these latest topics:

1. Quantum AI for Natural Language Processing (NLP) and Large-Scale Data Processing
2. Quantum-Safe Encryption and Post-Quantum Cybersecurity
3. Quantum-Assisted Weather Forecasting & Climate Modelling
4. Neuromorphic Quantum Computing: Mimicking the Brain
5. Quantum Computing for Smart Cities & Sustainable Infrastructure
6. Scalability Challenges in Quantum Hardware & Qubit Stability
7. Quantum Blockchain: Securing Transactions Beyond Classical Tech
8. Quantum Sensors for High-Precision Medical Diagnostics
9. Quantum Simulation of Complex Biological Systems & Drug Discovery
10. Cross-Industry Quantum Adoption: Finance, Healthcare, and Energy Innovations