



NAVIGATE THE QUANTUM ERA – ARTS AS A
GLOBAL SOCIAL COMPASS

International Quantum Forum 2025

The International Quantum Forum (IQF) 2025 will unite key stakeholders from across the global quantum technology ecosystem—spanning academia, industry, and civil society. Designated as the United Nations Year of Quantum Technologies, 2025 marks a pivotal moment for the field, and the IQF will set the tone with an inspiring blend of quantum science and art. Hosted by the TUM Think Tank's Quantum Social Lab and the TUM Center for Culture and the Arts, the event will take place in Munich on January 30–31, 2025.

Over the course of two days, in collaboration with our partners, we will connect the scientific advancements in quantum technologies, algorithms, and physics with the societal and economic dimensions of innovation, using the arts as a powerful medium for critical reflection. Public engagement will be at the heart of the event, with two evening showcases at the iconic Alte Utting and Gasteig venues, offering a rare glimpse behind the scenes of cutting-edge quantum research.

30-31 JAN

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ALTE UTTING

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One Event - Many Dimensions

- **Quantum for All:** IQF 2025 is committed to making quantum science accessible to everyone. Special sessions will focus on inclusive education, ensuring underrepresented communities, young people, and non-tech audiences can engage with this transformative field.
- **Art Meets Quantum:** Experience the fusion of quantum physics and creativity through groundbreaking art installations and performances. Interactive exhibits will explore concepts like superposition and entanglement, turning complex quantum ideas into vivid, emotional experiences.
- **Quantum Innovation in Action:** See the future unfold with live demonstrations of cutting-edge quantum technologies revolutionizing fields like medicine, AI, and cybersecurity.
- **Economic Impact and Cutting-Edge Research:** Explore the dual role of quantum as a driver of innovation and economic transformation. IQF 2025 will spotlight cutting-edge research and its real-world applications, highlighting how quantum technologies are creating new markets, transforming industries, and shaping the global economy
- **Global Quantum Dialogue:** More than a conference, IQF 2025 is a global conversation, uniting diverse voices across disciplines to discuss quantum technology's role in ethics, policy, and society. Everyone—policymakers, students, and artists alike—has a seat at the table.
- **Building a Community:** IQF 2025 will bring together researchers, policymakers, artists, and industry leaders to foster collaboration and build a global quantum community.
- **Driving Responsible Innovation:** The forum will spark a global strategy for advancing quantum technology responsibly, balancing groundbreaking progress with societal impact



One Event – Four Perspectives

Academia – Where Knowledge Takes Root

The IQF 2025 launches with an exclusive, academically focused day dedicated to advancing the frontiers of quantum technologies. This immersive session convenes international experts to delve into pressing challenges and opportunities in the field through engaging workshops, thought-provoking panels, and dynamic discussions.

- **Discussing the Quantum Revolution** Participants explore the uncertainty surrounding the future of quantum technologies (QT) and their potential societal impacts, drawing parallels with the governance of AI and GMOs.
- **Capacity Building - New Talents, new Pipelines?** The need for talent in all domains and within different sectors of quantum technologies will lead to new forms of education. How will this shape our initiatives for learning and research?
- **Global Discussions - International Quantum Experience** A digital panel connects different hubs worldwide featuring discussions on the future of quantum regulation and technology. Experts propose creating normative guidelines for quantum tech, advocating for connections with existing laws while ensuring future innovation. The forum highlights the balance between fostering innovation and implementing regulation, stressing over-regulation risks in the early stages of quantum tech development.

Topics include, but are not limited to Sustainable Development Goals (SDGs), cultural and design approaches to quantum, capacity-building initiatives, Quantum Natural Language Processing (QNLP), and collaborative global projects.

One of the main goals of IQF 2025 is to establish new collaborative projects that will unfold throughout the Year of Quantum. By fostering global partnerships and cross-disciplinary initiatives, IQF aims to build a robust network in this initial conference that propels quantum technology forward while addressing this transformative field's societal, ethical, and policy dimensions.

30 JAN

9 AM - 4 PM

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One Event – Four Perspectives

Where Subculture Sparks Science

Step into the extraordinary at Alte Utting as the evening transforms into a vibrant fusion of quantum science and urban subculture. Discover quantum's playful side through captivating poetry slams, thought-provoking performances, bold art, and interactive installations that bring science to life. This unique showcase celebrates the ingenuity of young researchers and artists, inviting you to experience quantum in ways you've never imagined.

To get to know your fellows, we offer drinks and a good party in the machinery room of the Utting till 1 am.

Bring your friends and enjoy the evening!



Do you want to contribute and present your research or your talents?

- Researchers: Call for Contributions **16th Dec - 15th Jan**
- Artists (Musician, Performance Artist, DJ, etc.): Call for Contributions **16th Dec - 15th Jan**

30 JAN

7 PM - 1 AM

ALTE UTTING



QuantWorld - A bold new Frontier

Quantum in the Public Sphere

Step into an interactive and creative space that explores the societal impacts of quantum technologies through a dynamic Module Parcours. This experience will showcase four key domains where quantum tech is making waves: banking, health, mobility, and Society. Discover how quantum innovations shape these sectors and explore a new way of learning!

In this immersive environment, visitors will have the chance to explore the first modules of the QuantWorld platform. The Superposition Module offers a hands-on look at quantum states, unlocking the mysteries of superposition and their applications across various industries. The Medicine Module will showcase the transformative role of quantum in healthcare, from drug development to medical imaging, illustrating how quantum technologies are revolutionizing the field. Meanwhile, the Mobility Module will explore the future of transportation, from quantum sensors in self-driving cars to the potential of quantum computing in improving traffic systems.

Throughout the space, project partners from QuantWorld—ranging from researchers and artists to students and stakeholders—will be on hand to answer questions, and spark creative discussions. Visitors can interact with live exhibits, witness cutting-edge demonstrations, and immerse themselves in artistic interpretations of quantum phenomena. The Quantum Photo Booth will capture these moments, allowing everyone to immortalize their experience in this innovative world.

31 JAN

11:30 AM - 4 PM

SMÄK



The Grand Finale!

Be part of the IQF 2025 and witness quantum innovation like never before!

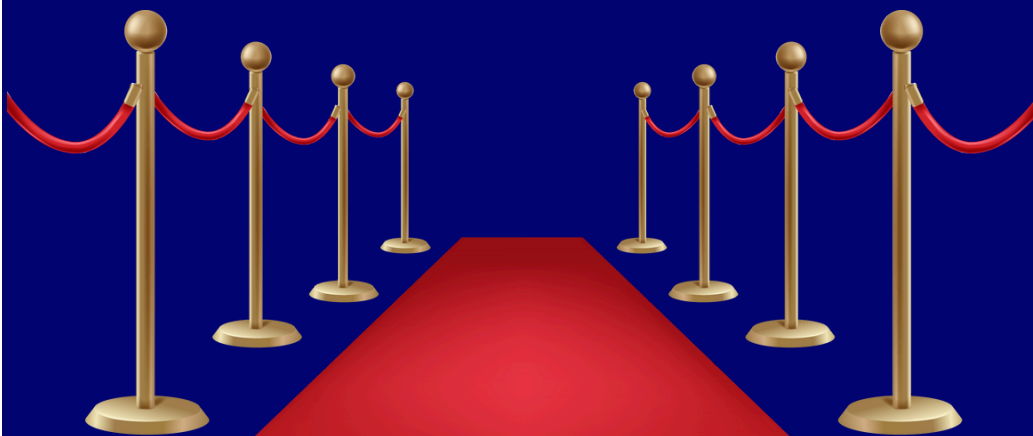
Conclude the forum with a spectacular finale blending art and science. Enjoy musical performances, poetry installations, and thought-provoking stand-up talks. Designed for the general public, this session celebrates the intersection of academic innovation and artistic expression, leaving attendees inspired and energized.

31 JAN

7 PM - 10 PM

GASTEIG

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Confirmed Contributors

The speakers for IQF 2025 include leading experts and visionaries from diverse fields, such as quantum technology, creative industries, and public policy, who will share their groundbreaking insights and inspire new ways of thinking about the future of quantum innovation.

- Mauritz Kop (Founder and Executive Director of the Stanford Center for Responsible Quantum Technology and the Stanford Quantum Incubator)
- Whurley (CEO Strangeworks)
- Ben Nott (CEO Blanco ad)
- Harry Kumar (CCO Moth Quantum)
- Ben Nott (CEO Blanco ad)
- Soliman Lopez (Conceptual Artist)
- Patrik Hübner (Generative Designer)
- Anne Kristin Kristiansen (Sculptural Artist)
- Zeki Seskir (Researcher at KIT)
- Urs Gasser (Rector of the Hochschule für Politik (HfP) and Dean of the TUM School of Social Sciences and Technology, Co-Founder Quantum Social Lab, PI Quantworld)
- Felix Mayr (Director of the TUM Center for Culture and Arts)



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TUM Center for Culture and Arts



Location Impressions

