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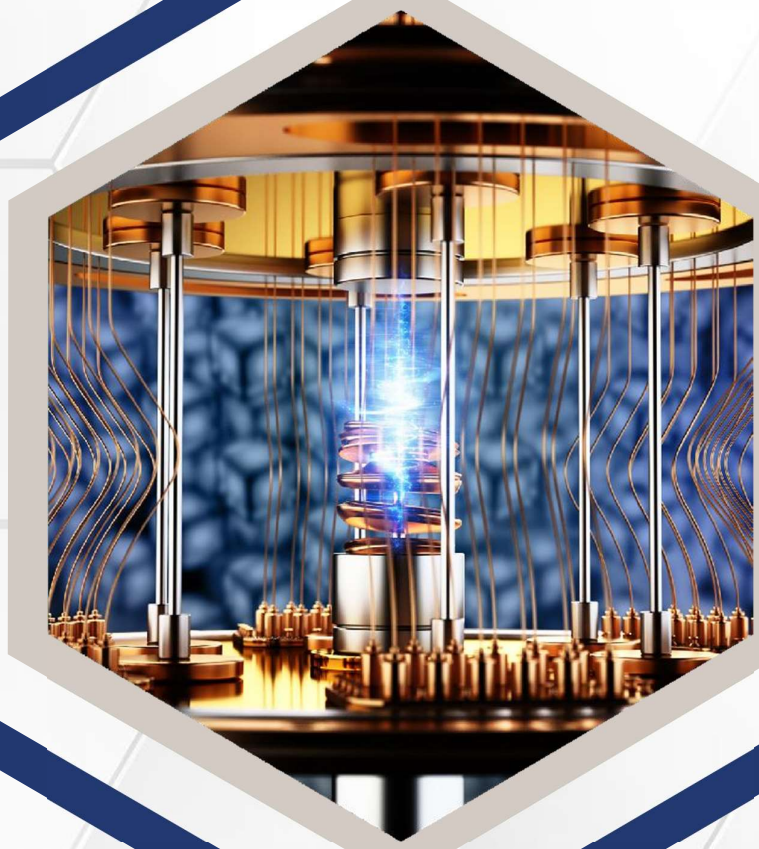
Tentative Program



Global Conference on

Quantum Computing

November 20-22, 2025

Tokyo Prince Hotel, Tokyo, Japan

https://www.quantum.thesciencequest.org/

Day 1 (November 20, 2025)	
MainHall	
08:30-09:30	Registrations
09:30-09:35	Introduction
09:35-10:00	Opening Ceremony
Plenary session	
10:00-10:45	Title: Review on Microwave Surface Resistance of High Temperature Superconductor Yttrium Barium Copper Oxide (YBCO) Yam prasad Dahal, Beihang University, China
10:45-11:30	Title: Review of the Unitary Quantum Theory Leo Georgy Sapogin, Department of Physics, Technical University (MADI), Russia
11:30-11:50	Refreshments Break@ Foyer
Keynote session	
11:50-12:25	Title: Two-dimensional materials for quantum computing Mingsheng Xu, Zhejiang University, China
12:25-12:55	Title: Ultra-high-speed LED array for three-dimensional profilometry with projector defocusing Hong-Xu Huang, Beihang University, Beijing China
12:55-13:55	Group Photo & Lunch Break
13:55-14:30	Title: Relationship between an Extra-Time Dimension and Translational Symmetry in Quantum Entanglement: A Path toward Reconciliation with Local Causality Kisalaya Chakrabarti, Haldia Institute of Technology, India
14:30-15:05	Title: The general Bernstein function: Application to x-fractional differential equations Lakhlifa Sadek, Al-Hoceima, Abdelmalek Essaadi University, Tetouan, Morocco

Featured Talks	
15:05-15:25	Title: Massive Dirac fermions in a ferromagnetic Kagome metal **Linda Ye, California Institute of Technology, USA**
15:25-15:35	Refreshments Break@ Foyer
15:35-16:00	Title: Ising pairing in superconducting NbSe2 atomic layers **Xiaoxiang Xi, Nanjing University, China**
16:00-16:25	Title: Highly Polarization-Sensitive, Broadband, Self-Powered Photodetector Based on Graphene/PdSe2/Germanium Heterojunction **Yuen Hong TSANG, The Hong Kong Polytechnic University, Hong Kong**
Speaker Slots Available	

Day 2 (November 21, 2025)	
MainHall	
08:30-09:30	Registrations
09:30-09:35	Introduction
09:35-10:00	Opening Ceremony
Plenary session	
10:00-10:45	Title: Photonics and Electronics Science and Engineering **Susumu Noda, Electronic Science and Engineering, Kyoto University**
10:45-11:30	Title: Search for potential candidates for ultracold molecules and construction of molecular qubits **Wensheng Bian, Chinese Academy of Sciences, China**
11:30-11:50	Refreshments Break@ Foyer
Keynote session	

11:50-12:25	Title: Quantum AI Agents: Quantum Science, Technologies, Computing and Artificial Intelligence Agents and Their Applications in Engineering and Other Disciplines **Sardar M N Islam, Victoria University, Australia**
12:25-12:55	Title: Towards a perturbative theory of nuclear forces **Silas R Beane, University of Washington, USA**
12:55-13:55	Group Photo & Lunch Break
13:55-14:30	Title: Emerging Concepts in Robotics and AI-based Assistive Technologies **Ishfaq Ahmad, The University of Texas at Arlington, USA**
14:30-15:05	Title: Emerging Technologies, Breakthroughs, Synergetic Reviews, Opinions and Advancements **Vinod Kumar Verma, University Longowal, India**
	Featured Talks
15:05-15:25	Title: Quantum circuits based on topological pumping in optical lattices **Zijie Zhu, Institute for Quantum Electronics Quantum Center,ETH Zurich, 8093 Zurich, Switzerland**
15:25-15:35	Refreshments Break@ Foyer
15:35-16:00	Title: EPR and luminescence properties of Mn2+ doped BaCO3 nanoparticles synthesized by auto combustion method **Brahim Abidine, Borj-Cedria Technopark Soliman, Tunisia**
16:00-16:25	Title: AKER: A design and verification framework for safe and secure soc access control **Andres Meza, University of California, Los Angeles, California**
	Speaker Slots Available

Day 3 (November 22, 2025)	
MainHall	
08:30-09:30	Registrations
09:30-09:35	Introduction
09:35-10:00	Opening Ceremony
Plenary session	
10:00-10:45	Title: Non-invasive mapping of connections between human thalamus and cortex using diffusion imaging Gareth J Barker, Magnetic Resonance Physics, King's College London
10:45-11:30	Title: Electrical programmable multilevel non-volatile photonic random-access memory Hamed Dalir, Electrical & Computer Engineering Department University of Florida
11:30-11:50	Refreshments Break@ Foyer
Keynote session	
11:50-12:25	Title: DFT and AI-assisting discovery and characterization of the ternary nanolaminate MAX and MAB phases Yuelei Bai, Harbin Institute of Technology, Harbin 150080, China
12:25-12:55	Title: GHz rotation of an optically trapped nanoparticle in vacuum Rene Reimann, ETH Zürich Department Information Technology and Electrical Engineering
12:55-13:55	Group Photo & Lunch Break
13:55-14:30	Title: not yet received Li Gaomei, Huazhong University of Science and Technology, China

14:30-15:05	Title: Challenges for a transitioning electricity system **Patrik Thollander, Maria Andersson, Mariana Andrei, Patrik Rohdin, Linkoping University, Sweden**
Featured Talks	
15:05-15:25	Title: Improving charge transport in perovskite solar cells using solvent additive technique **Ahmed Hayali, University of Canterbury, New Zealand**
15:25-15:35	Refreshments Break@ Foyer
15:35-16:00	Title: Observation of a dissipative phase transition in a one-dimensional circuit QED lattice **Mattias Fitzpatrick, Dartmouth College Engineering, USA**
16:00-16:25	Title: High Sensitivity, Loss-Tolerant Quantum Metrology **Wei Du, School of Electronic Engineering, Beijing University of Posts and Telecommunications, Beijing 100876, China**
16:25-16:50	Title: Using quantum weirdness to extend the computational power of a Parity computer **Swati Singh, Institute of Applied Sciences and Humanities GLA University Mathura, India**
Speaker Slots Available	

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