



The
ICONIC MEETINGS
.....Meet Influential People.....

World Conference on Quantum Computing and Applications



March 22 to 24, 2027



Osaka, Japan



TENTATIVE PROGRAM



+1(662) 339-4984



WCQCA-2027@iconicconferences.org



<https://www.quantum.theiconicmeetings.com/>

Day 1(March 22, 2027)	
08:30-09:30	Registrations in Main Hall
09:30-09:35	Introduction
09:35-10:00	Opening Ceremony
Plenary session	
10:00-10:30	Title: Optimization of Quantum Circuits Using Machine Learning Techniques Yakar Murat, <i>Mersin University, Turkey</i>
10:30-11:00	Title: Hybrid Quantum–Classical Optimization for Large-Scale Systems Gareth J Barker, <i>King's College London</i>
11:00-11:30	Speaker Slot available
11:30-11:45	Refreshments Break@ Foyer
Keynote Session	
11:45-12:10	Title: Hybrid Quantum–Classical Algorithms for Large-Scale Optimization Montserrat Fernández Guarino, <i>Ramón y Cajal University, Spain</i>
12:10-12:35	Title: Noise-Resilient Quantum Algorithms for Near-Term Quantum Hardware Shilpa Muralidharan, <i>Osaka University, India</i>
12:35-13:00	Speaker Slot available
13:00-14:00	Lunch Break
14:00-14:25	Speaker Slot available
14:25-14:50	Title: Quantum Communication Protocols for Secure Data Transmission Amr Mahfouz, <i>Dublin Institute of Technology, Ireland</i>
14:50-15:15	Speaker Slot available

Featured Talks

15:15-15:35 **Title: Quantum Algorithms for Large-Scale Optimization and Simulation**

Tian Tang, *Florida State University, Germany*

15:35-15:50

Refreshments Break@ Foyer

15:50-16:10 **Speaker Slot available**

16:10-16:30 **Title: Quantum Simulation of Strongly Correlated Materials**

Linda Ye, *California Institute of Technology, USA*

Speaker Slots are available to 18:30

Day 2 (March 23, 2027)

08:30-09:30 **Registrations in Main Hall**

Plenary Session

09:30-10:00 **Title: Error Mitigation Strategies for Noisy Intermediate-Scale Quantum (NISQ) Devices**

William Spain, *University of Washington, USA*

10:00-10:30 **Title: Noise-Resilient Quantum Algorithms for Near-Term Quantum Hardware**

Jesse Weil, *Columbia University, Hungary*

10:30-11:00 **Speaker Slot available**

Keynote session

11:00-11:25 **Title: Ultracold Molecules for Quantum Simulation of Many-Body Physics**

Kang-Kuen Ni, *Harvard University, USA*

11:25-11:40

Refreshments Break@ Foyer

11:40-12:05 **Title: Quantum Algorithms for Electronic Structure Calculations**

Sabre Kais, *NC State University, USA*

12:05-12:30	Speaker Slot available
12:30-13:00	Speaker Slot available
13:00-14:00	Lunch Break
Featured Talks	
14:00-14:20	Title: Quantum Algorithms for Optimization and Machine Learning Applications Xiaoxiang Xi, <i>Nanjing University, China</i>
14:20-14:40	Speaker Slot available
14:40-15:00	Speaker Slot available
Speaker Slots are available to 18:30	

Day 3 (March 24, 2027)	
08:30-09:30	Registrations in Main Hall
Plenary session	
09:30-10:00	Speaker Slot available
10:00-10:30	Title: Quantum Machine Learning for Large-Scale Scientific Data Analysis Pekka Sinervo, <i>University of Toronto, Canada</i>
10:30-11:00	Title: Chip-Scale Quantum Photonic Systems Using Integrated Microresonators Kerry J. Vahala, <i>California Institute of Technology Caltech, USA</i>
Keynote session	
11:00-11:25	Title: Hybrid Quantum Architectures for Scalable Quantum Computing Angelakis, Dimitrios, <i>CQT Singapore and AngelQ Quantum Computing, Singapore</i>
11:25-11:40	Refreshments Break@ Foyer

11:40-12:05 Speaker Slot available

12:05-12:30 Speaker Slot available

12:35-13:00 Title: Optimization of Quantum Algorithms for Near-Term Quantum Devices

Ravikumar Chinnarasu, *National Quantum Computing Centre, Didcot, England, Uk*

13:00-14:00

Lunch Break

Featured Talks

14:00-14:20 Speaker Slot available

14:20-14:40 Speaker Slot available

14:40-15:00 Title: Noise-Resilient Quantum Computation on NISQ Devices

Yuping Chen, *Shanghai Jiao Tong University (SJTU), China*

Speaker Slots are available to 18:30

Note: This is a primary program slight changes may happen in the final program

Sponsors/Exhibitors

