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# World Conference on Quantum Computing and Applications

 **APRIL 09-11, 2026**

 **TOKYO, JAPAN**



**QUANTUM  
COMPUTING**

**TENTATIVE PROGRAM**



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**WCQCA-2026@iconicconferences.org**



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

| Day 1(April 09, 2026) |                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------|
| 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: Error Mitigation Strategies for Noisy Intermediate-Scale Quantum (NISQ) Devices |
|                       | William Spain, University of Washington, USA                                           |
| 10:30-11:00           | Title: Noise-Resilient Quantum Algorithms for Near-Term Quantum Hardware               |
|                       | Jesse Weil, Columbia University, Hungary                                               |
| 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, Ramón y Cajal University, Spain                          |
| 12:10-12:35           | Title: Noise-Resilient Quantum Algorithms for Near-Term Quantum Hardware               |
|                       | Shilpa Muralidharan, Osaka University, India                                           |
| 12:35-13:00           | Speaker Slot Available                                                                 |
| 13:00-14:00           | Lunch Break                                                                            |
| 14:00-14:25           | Speaker Slot Available                                                                 |

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| 14:25-14:50                          | <div>Title: Quantum Communication Protocols for Secure Data Transmission</div>       |
|                                      | Amr Mahfouz, Dublin Institute of Technology, Ireland                                 |
| 14:50-15:15                          | Speaker Slot Available                                                               |
| Featured Talks                       |                                                                                      |
| 15:15-15:35                          | <div>Title: Quantum Algorithms for Large-Scale Optimization and Simulation</div>     |
|                                      | Tian Tang, Florida State University, Germany                                         |
| 15:35-15:50                          | Refreshments Break@ Foyer                                                            |
| 15:50-16:10                          | Speaker Slot Available                                                               |
| 16:10-16:30                          | <div>Title: Quantum Simulation of Strongly Correlated Materials</div>                |
|                                      | Linda Ye, California Institute of Technology, USA                                    |
| Speaker Slots are available to 18:30 |                                                                                      |
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|                                      |                                                                                      |
| Day 2 (April 10, 2026)               |                                                                                      |
| 08:30-09:30                          | Registrations in Main Hall                                                           |
| Plenary Session                      |                                                                                      |
| 09:30-10:00                          | <div>Title: Optimization of Quantum Circuits Using Machine Learning Techniques</div> |
|                                      | Yakar Murat, Mersin University, Turkey                                               |
| 10:00-10:30                          | <div>Title: Hybrid Quantum-Classical Optimization for Large-Scale Systems</div>      |
|                                      | Gareth J Barker, King's College London                                               |

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| 10:30-11:00                          | Speaker Slot Available                                                                                                  |
| Keynote Session                      |                                                                                                                         |
| 11:00-11:25                          | Title: Ultracold Molecules for Quantum Simulation of Many-Body Physics<br>Kang-Kuen Ni, Harvard University, USA         |
| 11:25-11:40                          | Refreshments Break@ Foyer                                                                                               |
| 11:40-12:05                          | Title: Quantum Algorithms for Electronic Structure Calculations<br>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<br>Xiaoxiang Xi, Nanjing University, China |
| 14:20-14:40                          | Speaker Slot Available                                                                                                  |
| 14:40-15:00                          | Speaker Slot Available                                                                                                  |
| Speaker Slots are available to 18:30 |                                                                                                                         |
| Day 3 (April 11, 2026)               |                                                                                                                         |
| 08:30-09:30                          | Registrations in Main Hall                                                                                              |
| Plenary session                      |                                                                                                                         |
| 09:30-10:00                          | Speaker Slot Available                                                                                                  |

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| 10:00-10:30                          | <p><b>Title: Quantum Machine Learning for Large-Scale Scientific Data Analysis</b></p> <p><b>Pekka Sinervo</b>, <i>University of Toronto, Canada</i></p>                                |
| 10:30-11:00                          | <p><b>Title: Chip-Scale Quantum Photonic Systems Using Integrated Microresonators</b></p> <p><b>Kerry J. Vahala</b>, <i>California Institute of Technology Caltech, USA</i></p>         |
| Keynote session                      |                                                                                                                                                                                         |
| 11:00-11:25                          | <p><b>Title: Hybrid Quantum Architectures for Scalable Quantum Computing</b></p> <p><b>Angelakis, Dimitrios</b>, <i>CQT Singapore and AngelQ Quantum Computing, Singapore</i></p>       |
| 11:25-11:40                          | Refreshments Break@ Foyer                                                                                                                                                               |
| 11:40-12:05                          | Speaker Slot Available                                                                                                                                                                  |
| 12:05-12:30                          | Speaker Slot Available                                                                                                                                                                  |
| 12:30-13:00                          | <p><b>Title: Optimization of Quantum Algorithms for Near-Term Quantum Devices</b></p> <p><b>Ravikumar Chinnarasu</b>, <i>National Quantum Computing Centre, Didcot, England, Uk</i></p> |
| 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                          | <p><b>Title: Noise-Resilient Quantum Computation on NISQ Devices</b></p> <p><b>Yuping Chen</b>, <i>Shanghai Jiao Tong University (SJTU), China</i></p>                                  |
| Speaker Slots are available to 18:30 |                                                                                                                                                                                         |