

Session Program

25-26 May 2026

The First RIKEN Quantum International Workshop on Frontiers of Quantum Computing Applications and Quantum-HPC Integration

Session 4

2F Administrative Headquarters (C00), RIKEN, Wako, Large Conference Room

Tuesday 26 May

09:20

Session 4

Session | **Location:** 2F Administrative Headquarters (C00), RIKEN, Wako, Large Conference Room | **Convener:** Qibin Zhao

09:20–10:00

AI for Quantum Computing: Algorithms and Workflow

Speaker

Ikko Hamamura

10:00–10:40

Harnessing the Generative Quantum Eigensolver for Next-Generation Materials Design

Speaker

Qi Gao

10:40–11:00

Quantum-Aware Fine-Tuning of Chemical Foundation Models via Bit-Bit Encoding

Speaker

Shunji Matsuura

11:00–11:40

Simulating a Real Quantum Magnet with 256 Analog Qubits

Speaker

Alexandre Dauphin

11:40