

Session Program

25-26 May 2026

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

Session 5

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

Tuesday 26 May

13:10

Session 5

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

13:10–13:50

Quantum-HPC Hybrid Computation of Bimolecular Excited-State Energies

Speaker

Kentarō Yamamoto

13:50–14:30

Toward Quantum Utility in Quantum Chemistry: Application-Centered Strategies for the 25–100 Logical Qubit Regime

Speaker

Bo Peng

14:30–15:10

Experimental and Numerical Progress in FTQC Algorithms for Chemistry and Fluid Mechanics

Speaker

Yu-ichiro Matsushita

15:10