

Awarded Projects under the Japan–Singapore Joint Call for Proposals on Quantum 2025

S/N	Project Title	Singapore-based Principal Investigator (PI)	Singapore Host Institution (HI)	Partner Institution
1	Quantum Reservoir Computing for Dynamics Modeling and Forecasting	Prof Juan-Pablo ORTEGA Lahuerta	NTU	-
2	Levitated quantum rotor for precision navigation and quantum sensing via the London effect	Dr CHEN Xianfeng	A*STAR	-
3	Quantum learning of open quantum systems	Prof Kavan MODI	SUTD	-
4	Artificial intelligence by and for quantum computers	Asst Prof DU Yuxuan	NTU	-
5	Ultra-robust quantum information enabled by higher-dimensional photonic topologies	Asst Prof SHEN Yijie	NTU	-
6	Extracting Perfect Entangled States from Unknown Sources: An Agentic Approach	Assoc Prof Mile GU	NTU	A*STAR
7	Diamond Nitrogen Vacancy Centers Integrated with Moiré Metasurface for Optically Detected Magnetic Resonance	Assoc Prof DONG Zhaogang	SUTD	-
8	Enabling Macroscopic Quantum Systems through Advanced Vibration Damping Technology	Dr WANG Tao	A*STAR	-
9	Enabling A Disruptive Chiral Quantum Optical Sensor (CQOS) Technology based on Innovative Highly Oriented Single Crystalline Gold Quantum Dots (HOSG-QDs)	Assoc Prof Andrivo RUSYDI	NUS	-
10	Rare-earth magnet based networking quantum memory	Dr SOH Jian Rui	A*STAR	-