Session Title:	[Mo4C] Quantum Information Processing
Session Date:	August 5 (Mon.), 2024
Session Time:	17:00-18:30
Session Room:	Room C (107-109)
Session Chairs	TBA

[Mo4C-1] [Invited] 17:00-17:30

Universal Fluctuations and Noise Learning from Hilbert-space Ergodicity

Joonhee Choi (Stanford Univ., USA)

[Mo4C-2] 17:30-17:45

Qudit-based Variational Quantum Eigensolver by Using Photonic Azimuthal Orbital Angular Momentum States

Byungjoo Kim (Korea Inst. of Machinery & Materials, Korea), Kang-Min Hu (KIST, Korea), Myung-Hyun Sohn (Kyung Hee Univ., Korea), Yosep Kim (Korea Univ., Korea), Yong-Su Kim, Seung-Woo Lee, and Hyang-Tag Lim (KIST, Korea)

[Mo4C-3] 17:45-18:00

On Computational Complexity and Average-case Hardness of Shallow-depth Boson Sampling

Byeongseon Go (Seoul Nat'l Univ., Korea), Changhun Oh (The Univ. of Chicago, USA), and Hyunseok Jeong (Seoul Nat'l Univ., Korea)

[Mo4C-5] 18:15-18:30

Evidence-Based Quantum-Information Processing: Applications on Photonic Quantum Systems

Y. S. Teo, S. U. Shringarpure, H. Jeong (Seoul Nat'l Univ., Korea), N. Prasannan, B. Brecht, C. Silberhorn (Univ. of Paderborn, Germany), M. Evans (Univ. of Toronto, Canada), Mogilevtsev (B.I.Stepanov Inst. of Physics - Nat'l Academy of Sciences of Belaru, Belarus), and L. L. Sánchez-Soto (Complutense Univ. of Madrid, Spain)