Session Title: [Mo3C] Trapped Ions and Interfaces
Session Date: August 5 (Mon.), 2024
Session Time: 15:15-16:45
Session Room: Room C (107-109)
Session Chair(s): Prof. Hyukjoon Kwon (KIAS, Korea)

[Mo3C-1] [Invited] 15:15-15:45
Toward Realizing Quantum Advantage with Trapped Ions
Kihwan Kim (Tsinghua Univ., China)

[Mo3C-2] [Invited] 15:45-16:15
Building Blocks for Atom-Photon Interfaces
Christian Kurtsiefer (Nat'1 Univ. of Singapore, Singapore)

[Mo3C-3] 16:15-16:30
Third-Order Exceptional Point in an Ion-Cavity System
Jinuk Kim (KRISS, Korea), Taegyu Ha, Donggeon Kim, Dowon Lee, Ki-Se Lee, Jongcheol Won, Youngil Moon, and Moonjoo Lee (POSTECH, Korea)

[Mo3C-4] 16:30-16:45
Experimental Implementation of Single-shot Joint Parity Measurement for Quantum State Tomography of Phonon Modes of a Trapped Ion
Honggi Jeon, Jiyong Kang, Jaeun Kim, Wonhyeong Choi, Kyunghye Kim, Jaehun You, and Taehyun Kim (Seoul Nat'l Univ., Korea)