

<b>Session Code</b>	<b>[11] MoK1</b>
<b>Session Title</b>	Atomic, Ionic, and Superconducting Quantum Information Science
<b>Date and Time</b>	Monday, October 4, 2021 / 10:30-12:00
<b>Session Room</b>	Room K (402)
<b>Session Chair(s)</b>	Dohun Kim (Seoul Nat'l Univ., Korea)

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**[[11] MoK1-1] Invited Talk** **[Online] 10:30-10:55**

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**Quantum Algorithms on a Programmable Atomic Tweezer Array**

Minho Kwon, Aaron Holman, Weijun Yuan, Max Aalto, Quan Gan, and Sebastian Will  
(*Columbia Univ., USA*)

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**[[11] MoK1-2] Invited Talk** **10:55-11:20**

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**Quantum Information with Trapped Ions and Optical Cavities**

Moonjoo Lee (*POSTECH, Korea*)

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**[[11] MoK1-3] Invited Talk** **11:20-11:45**

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**Development of Quantum Computing with Superconducting Circuits**

Gahyun Choi, Sunkyung Lee (*KRISS, Korea*), Yonuk Chong, Gwanyeol Park (*Sungkyunkwan Univ., Korea*), and Jiman Choi (*KRISS, Korea*)

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**[[11] MoK1-4]** **11:45-12:00**

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**Monte Carlo-Based Filtering for Dynamic Hamiltonian Parameter Estimation of Spin Qubit**

Hyeon Gyu Jang, Jinwoong Kim, Wonjin Jang, Jehyun Kim, Min-Kyun Cho, Hanseo Sohn (*Seoul Nat'l Univ., Korea*), Hwanchul Chung (*Pusan Nat'l Univ., Korea*), Vladimir Umansky (*Weizmann Inst. of Science, Israel*), and Dohun Kim (*Seoul Nat'l Univ., Korea*)