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<td>Th2C Quantum Optics and Application II</td>
<td>August 8 (Thu.), 2024</td>
<td>16:00-17:30</td>
<td>Room C (107-109)</td>
<td>Prof. Kihwan Kim (Tsinghua Univ., China), Prof. Yoko Miyamoto (The Univ. of Electro-Communications, Japan)</td>
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**[Th2C-1] [Invited]** 16:00-16:30
Quantum Enhanced Biotechnologies
Nicolas P. Mauranyapin, Alex Terrasson, Michael A. Taylor, and Warwick P. Bowen (Univ. of Queensland, Australia)

**[Th2C-2]** 16:30-16:45
Generation of Ultra-Bright Polarization-Entangled Photon Pairs via Type II Noncritical Phase Matching
Ilhwan Kim (KIST, Korea), Yosep Kim (Korea Univ., Korea), Yong-Su Kim (Univ. of Science and Tech., Korea), Kwang Jo Lee (Kyung Hee Univ., Korea), and Hyang-Tag Lim (Univ. of Science and Tech., Korea)

**[Th2C-3]** 16:45-17:00
Time-Frequency Characterization of Ultrafast Quantum Entangled Biphotons Through Optical Frequency Comb Based Two-Color Asynchronous Optical Sampling
Prasad Koviri, Takahisa Kuwana, Hajime Komori, Takashi Kato, Akifumi Asahara (The Univ. of Electro-Communications, Japan), Thomas R. Schibli (Univ. of Colorado, USA), Ryosuke Shimizu, and Kaoru Minoshima (The Univ. of Electro-Communications, Japan)

**[Th2C-4]** 17:00-17:15
A Temperature-Insensitive Photon Buffer for Temporal Multiplexing and Hong-Ou-Mandel Interferometry
Eun Chae Ha, Young Hoon Kim (Chung-Ang Univ., Korea), Hee Su Park (KRISS, Korea), and Kwang Yong Song (Chung-Ang Univ., Korea)

**[Th2C-5]** 17:15-17:30
Coherent Two-photon LIDAR with Incoherent Thermal Light
Chung-Hyun Lee, Yosep Kim, Dong-Gil Im, U-Shin Kim, Vincenzo Tamma, and Yoon-Ho Kim
(POSTECH, Korea)