

<b>Session Title:</b>	[Th1F] Waveguide Photonics I
<b>Session Date:</b>	August 8 (Thu.), 2024
<b>Session Time:</b>	11:00-12:30
<b>Session Room:</b>	Room F (115)
<b>Session Chair(s)</b>	Dr. Myoung Jin Kim (KOPTI, Korea)

[Th1F-1] [Invited] 11:00-11:30

3D Transparent Optical Display based on Periodically Poled Lithium Niobate

Peter G.R. Smith, Goronwy Tawy, Rex H. Bannerman, and Corin B.E. Gawith (Univ. of Southampton, UK)

[Th1F-2] 11:30-11:45

SiN Strip-loaded Chemical Beam Vapour Deposited LiNbO<sub>3</sub> on Sapphire Waveguides

Marina Raevskaia, Rahma Moalla (Institut des Nanotechnologies de Lyon, France), Alban Gassenq, Antoine Bernard (The Inst. of Light and Matter, France), Aziz Benamrouche, Sébastien Cueff (Institut des Nanotechnologies de Lyon, France), Giacomo Benvenuti, Thanh Bui, Estelle Wagner, William Maudez (3D-Oxides, France), Bruno Masenelli (Institut des Nanotechnologies de Lyon, France), Andreas Boes (The Univ. of Adelaide, Australia), Christian Grillet (Institut des Nanotechnologies de Lyon, France), Arnan Mitchell (RMIT Univ., Australia), and Christelle Monat (Institut des Nanotechnologies de Lyon, France)

[Th1F-3] 11:45-12:00

Dispersion Engineered Silicon Photonic Micro-Ring Resonator by Subwavelength Waveguiding Structures

Yi-Min Wang, Yi-Jang Hsu, Yu-Wei Liu, and Yinchieh Lai (Nat'l Yang Ming Chiao Tung Univ., Taiwan)

[Th1F-4] 12:00-12:15

Fabrication of Ultra-high-Q Ta<sub>2</sub>O<sub>5</sub> Microdisk by Photolithography Assisted Chemo-mechanical Etching

Renhong Gao (East China Normal Univ., China), Minghui Li, Guanghui Zhao, Jintian Lin (Shanghai Inst. of Optics and Fine Mechanics, China), Jianglin Guan, Chuntao Li, Min Wang (East China Normal Univ., China), Lingling Qiao, and Ya Cheng (Shanghai Inst. Of Optics and Fine Mechanics, China)

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[Th1F-5]

12:15-12:30

A Highly-Sensitive Biosensor based on a Long-period Polymer Waveguide Grating Structure

Krishnendu Dandapat and Varun Raghunathan (Indian Inst. of Science, Bangalore, India)