

Room E (Sydney), 2F

Chair: Chenxi Wang (Chinese Academy of Sciences)

Th1E

July 2 (Thu), 2026

Metasurfaces & Wavefront Engineering

08:30-10:00

Th1E-1 Invited 08:30-09:00

Scalable Optical Metasurface for On-Edge Machine Vision

Chaoran Huang, Mingcheng Luo, Jiayong Peng, Chester Shu
The Chinese University of Hong Kong

Th1E-2 09:00-09:15

Wavelength-Controlled Lateral Focus Scanning using a Laterally Translated Quadratic Phase Metasurface

Jong-Guk Jeong¹, Yoon-Ho Sunwoo¹, Yun-Jae Kwon¹, Xipeng Lu¹, Duk-Yong Choi², Sang-Shin Lee¹
¹Kwangwoon University, ²Australian National University

Th1E-3 09:15-09:30

THz-Optical Signal Conversion Demonstration using Metasurface-based Transparent EO Modulator

Rizadi Sasmita Darwis^{1,2}, Yui Otagaki¹, Hiroshi Murata¹
¹Mie Univeristy, ²Politeknik Caltex Riau

Th1E-4 09:30-09:45

Three-Mode Waveguide Lens Based on Mosaic Structure

Mizuki Koyama¹, Yasuhide Tsuji², Takuya Mitarai³, Yusuke Sawada³, Takuya Okimoto³, Takuo Hiratani³, Kento Komatsu³, Hideki Yagi³, Naoki Fujiwara³, Takeshi Fujisawa¹
¹Hosei University, ²Muroran Institute of Technology, ³Sumitomo Electric Industries, Ltd.

Th1E-5 09:45-10:00

Ultrasml Mode Mixers Based on Mosaic Structure Designed by Gradient Direct Binary Search Method

Shizunari Aomori¹, Yasuhide Tsuji², Takuya Mitarai³, Yusuke Sawada³, Takuya Okimoto³, Takuo Hiratani³, Kento Komatsu³, Hideki Yagi³, Naoki Fujiwara³, Takeshi Fujisawa¹
¹Hosei University, ²Muroran Institute of Technology, ³Sumitomo Electric Industries, Ltd.