

Session Title:	[Th1G] Imaging Techniques for Scattering Media
Session Date:	August 8 (Thu.), 2024
Session Time:	11:00-12:30
Session Room:	Room G (116)
Session Chairs	TBA

[Th1G-1] [Invited] 11:00-11:30

Wavefront Shaping at 10 MHz Refresh Rate by Exploiting the Scan Speed of a Resonant Scanner

Atsushi Shibukawa (Hokkaido Univ., Japan), Yuki Sudo (Okayama Univ., Japan), Hideharu Mikami (Hokkaido Univ., Japan), and Mooseok Jang (KAIST, Korea)

[Th1G-2] 11:30-11:45

Deep-Tissue Optical Focusing with Phase Conjugation based on Nonlinear Acousto-Optic Modulation

Jaeyeon Oh, Hakseok Ko, Gookho Song, Seungmin Lee, and Mooseok Jang (KAIST, Korea)

[Th1G-3] 11:45-12:00

High-Resolution Ghost Imaging in Dynamic Scattering Environments with Gaussian Correction

Yang Peng and Wen Chen (The Hong Kong Polytechnic Univ., Hong Kong)

[Th1G-4] 12:00-12:15

Time-resolved Digital Optical Phase Conjugation for Spatiotemporal Focusing of Ultrafast Laser Pulse Through Turbid Media

Seungmin Lee and Mooseok Jang (KAIST, Korea)

[Th1G-5] 12:15-12:30

Efficient Single-Pixel Imaging and Transmission in Scattering Media with Compressive Sensing

Yining Hao and Wen Chen (The Hong Kong Polytechnic Univ., Hong Kong)