

Session Title:	[Tu1B] Ultrafast Dynamics and Spectroscopy
Session Date:	August 6 (Tue.), 2024
Session Time:	11:00-12:30
Session Room:	Room B (104-106)
Session Chair(s)	Prof. Donguk Nam (Nanyang Technological Univ., Singapore)

[Tu1B-1] [Invited] 11:00-11:30

High-speed Broadband Mid-infrared and Coherent Raman Spectroscopy with Photonic Time-stretch Technology

Takuro Ideguchi (The Univ. of Tokyo, Japan)

[Tu1B-2] 11:30-11:45

Transient Absorption Microscopy of Photocarrier in-Plane Transport in Graphene-based Heterostructures

Hui Zhao (The Univ. of Kansas, USA)

[Tu1B-3] 11:45-12:00

High-Resolution Time-Stretch Infrared Spectroscopy with Frequency Down-Conversion of Near-Infrared Lasers

Makoto Shoshin, Takahiro Kageyama, Kazuki Hashimoto, Takuma Nakamura, and Takuro Ideguchi (The Univ. of Tokyo, Japan)

[Tu1B-4] 12:00-12:15

Phonon Amplification via Transparent  $\text{PbZrO}_3$  Layer on top of  $\text{SrRuO}_3/\text{SrTiO}_3$  Heterostructures

Shuai Wang, Yangyang Si, Jianan Duan, Zuhuang Chen, and Feng He (Harbin Inst. of Tech., China)

[Tu1B-5] 12:15-12:30

Multipulse Activation and Control of a GHz Coherent Acoustic Phonon in WSSe

S.I. Rey, L. Monin (AMOLF, The Netherlands), M.J. Cross, M.L. Welsch, F. Schröder, B. Zhou, N. Stenger (Technical Univ. of Denmark, Denmark), W. Albrecht (AMOLF, The Netherlands), P.U. Jepsen, and E.J.R. Kelleher (Technical Univ. of Denmark, Denmark)