

<b>Session Title:</b>	<b>[Tu1B] Ultrafast Dynamics and Spectroscopy</b>
<b>Session Date:</b>	<b>August 6 (Tue.), 2024</b>
<b>Session Time:</b>	<b>11:00-12:30</b>
<b>Session Room:</b>	<b>Room B (104-106)</b>
<b>Session Chairs</b>	<b>TBA</b>

**[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 Photocurrent 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 PbZrO<sub>3</sub> Layer on top of SrRuO<sub>3</sub>/SrTiO<sub>3</sub> 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 WS<sub>2</sub>**

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)