

<b>Session Title:</b>	<b>[Fr1L] THz Technologies</b>
<b>Session Date:</b>	<b>August 9 (Fri.), 2024</b>
<b>Session Time:</b>	<b>09:00-10:30</b>
<b>Session Room:</b>	<b>Room L (206-207)</b>
<b>Session Chairs</b>	<b>TBA</b>

**[Fr1L-1] [Invited] 09:00-09:30**

TBA

TBA

**[Fr1L-2] 09:30-09:45**

**Epitaxial Growth of High-quality GaSb/Si Virtual Substrate with AlSb Defect Filter Layers for High-performance MWIR Laser Diode**

Eungbeom Yeon, Seungwan Woo (KIST, Korea), In-Hwan Lee (Korea Univ., Korea), Daehwan Jung, and Won Jun Choi (KIST, Korea)

**[Fr1L-3] 09:45-10:00**

**Ultrafast Circular Photon Drag Current in Multilayer PtSe<sub>2</sub> Revealed via Terahertz Emission**

Dong-Wen Zhang, Long-Hui Zhang, Xu Sun, Hai-Zhong Wu, Zhi-hui Lyu, Xiao-Wei Wang, Zeng-Xiu Zhao, and Jian-Min Yuan (Nat'l Univ. of Defense Tech., China)

**[Fr1L-4] 10:00-10:15**

**Long Distance Transfer of Frequency-comb-rooted THz-waves**

Jaeyoon Kim, Guseon Kang (KAIST, Korea), Joohyung Lee (Seoul Nat'l Univ. of Science and Tech., Korea), Seung-Woo Kim, and Young-Jin Kim (KAIST, Korea)

**[Fr1L-5] 10:15-10:30**

**Terahertz Parametric Upconversion Detection based on a KTiOAsO<sub>4</sub> Crystal**

Na Ming, Shuzhen Fan, Xingyu Zhang, Xiaohan Chen, Zhenhua Cong, Zhaojun Liu, Quanxin Guo, Liyuan Guo, Binzhe Jiao, Jiasheng Yuan, Kaiyu Wang, and Naichang Liu (Shandong Univ., China)