
Session Title:	[Fr1L] THz Technologies
Session Date:	August 9 (Fri.), 2024
Session Time:	09:00-10:00
Session Room:	Room L (206-207)
Session Chair(s)	Prof. Tae-In Jeon (Korea Maritime & Ocean Univ., Korea)

[Fr1L-1] 09:00-09:15

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-2] 09:15-09:30

Ultrafast Circular Photon Drag Current in Multilayer PtSe₂ 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-3] 09:30-09:45

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-4] 09:45-10:00

Terahertz Parametric Upconversion Detection based on a KTiOAsO₄ 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)