

Session Title:	[Fr1D] Heterogeneous Integration 2
Session Date:	August 9 (Fri.), 2024
Session Time:	09:00-10:30
Session Room:	Room D (113)
Session Chair(s)	Dr. Jae-Hoon Han (KIST, Korea),

[Fr1D-1] [Invited] 09:00-09:30

Silicon-based Integrated Magneto-optical Isolator with Direct Bonding

Yuya Shoji (Tokyo Inst. of Tech., Japan)

[Fr1D-2] 09:30-09:45

Electrically Pumped SiGeSn/GeSn Heterostructures Micro-rings Lasers

Teren Liu (Peter Gruenberg Inst., Germany), Lukas Seidel (Univ. of Stuttgart, Germany), Omar Concepcion (Peter Gruenberg Inst., Germany), Jeremy Witzens (RWTH Aachen Univ., Germany), Giovanni Capellini (Leibniz Inst. for High Performance Microelectronics, Germany), Michael Oehme (Univ. of Stuttgart, Germany), Detlev Grützmacher, and Dan Buca (Peter Gruenberg Inst., Germany)

[Fr1D-3] 09:45-10:00

Reconfigurable Dispersion Engineering in Silicon Nitride Microring with Partial Gratings

Jiaqi Li, Shuqing Lin, Yanfeng Zhang, and Siyuan Yu (Sun Yat-sen Univ., China)

[Fr1D-4] [Invited] 10:00-10:30

III-V-on-Silicon-Nitride Mode-Locked Lasers

Stijn Cuyvers, Stijn Poelman, Tom Reep, Artur Hermans, Camiel Op de Beeck, Gunther Roelkens, Maximilien Billet, and Bart Kuyken (Ghent Univ. - imec, Belgium)