

Session Title:	[Mo1D] Heterogeneous Integration 1: Lithium Niobate
Session Date:	August 5 (Mon.), 2024
Session Time:	10:30-12:00
Session Room:	Room D (113)
Session Chair(s)	Dr. Amirhassan Shams-Ansari (Harvard Univ., USA)

[Mo1D-1] [Invited] 10:30-11:00

Integrated Lithium Niobate Microwave Photonics

Cheng Wang (City Univ. of Hong Kong, China)

[Mo1D-2] 11:00-11:15

Observation of Su-Schrieffer-Heeger Topological Model Band Structure in Integrated LNOI Coupled Ring Cavities

Hiep X. Dinh, Armandas Balcytis (RMIT Univ., Australia), Tomoki Ozawa (Tohoku Univ., Japan), Yasutomo Ota (Keio Univ., Japan), Toshihiko Baba (Yokohama Nat'l Univ., Japan), Satoshi Iwamoto (The Univ. of Tokyo., Japan), Arnan Mitchell, and Thach G. Nguyen (RMIT Univ., Australia)

[Mo1D-3] 11:15-11:30

Micro-transfer Printed Thin-film Lithium Niobate Modulator for Heterogeneous Si Photonic Platform

Toshiya Murai, Rai Kou, Cong Guangwei (AIST, Japan), Masahiko Imai, Kazumasa Takabayashi, Nobuaki Mitamura, Suguru Akiyama (Fujitsu Optical Components Ltd., Japan), and Koji Yamada (AIST, Japan)

[Mo1D-4] 11:30-11:45

Multiband Electro-optic Modulator Employing a Lithium Niobate Racetrack Resonator Integrated with Two Pulley Couplers

Hyeon Hwang, Mohamad Reza Nurrahman (KAIST, Korea), Hyungjun Heo (KIST, Korea), Kiyong Ko (KAIST, Korea), Kiwon Moon, Jung Jin Ju (ETRI, Korea), Sang-Wook Han, Hojoong Jung (KIST, Korea), Hansuek Lee, and Min-Kyo Seo (KAIST, Korea)

[Mo1D-5] 11:45-12:00

Characterisation of Micro-Transfer Printed cm-scale Lithium Niobate on a Silicon Nitride Platform



Margot Niels, Tom Vanackere, Stijn Poelman, Tom Vandekerckhove, Günther Roelkens, Maximilien Billet, and Bart Kuyken (Ghent Univ., Belgium)