

F. Silicon and Group-IV Devices and Integration Technology 분과

2020년 2월 13일(목), 10:45-12:30 / Room B (에메랄드 II+III, 5층)

■ [TB2-F] New Applications of Silicon Technology

좌장: 이병훈 교수 (GIST), 정성웅 연구위원 (SK하이닉스)

TB2-F-1 10:45-11:15	[초청] New Generation of SOI Substrate Solutions for RF and Millimeter-wave Applications Jean-Pierre Raskin <i>Université Catholique de Louvain</i>
TB2-F-2 11:15-11:45	[초청] Challenges and Opportunities in Memristor-based Artificial Neural Network (ANN) Hardware Shinhyun Choi <i>KAIST</i>
TB2-F-3 11:45-12:00	Schottky Diode in 45-nm Embedded Flash Process for Power Management System YongSeok Chung, ChangHyun Park, Changmin Jeon, Youngho Kim, Sangjin Lee, Yong Kyu Lee, Kichul Park, and Gitae Jeong <i>Foundry Business, Samsung Electronics Co., Ltd.</i>
TB2-F-4 12:00-12:15	Ternary CMOS Technology based on 28-nm Foundry Process Jae Won Jeong, Young Eun Choi, Woo-Seok Kim, and Kyung Rok Kim <i>School of Electrical and Computer Engineering, UNIST</i>
TB2-F-5 12:15-12:30	Proposal and Simulation of a Low Loss, Highly Efficient Monolithic III-V/Si Optical Phase Shifter SangHyeon Kim ^{1,2} , Younghyun Kim ² , Yoojin Ban ² , Pantouvaki Marianna ² , and Joris Van Campenhout ² ¹ <i>School of Electrical Engineering, KAIST</i> , ² <i>3D&Optical I/O, IMEC</i>