2022년 1월 26일(수), 15:45-17:30
Room K (다이아몬드 I, 6층)

F. Silicon and Group-IV Devices and Integration Technology 분과
[WK4-F] 3D Integration Technology

좌장: 김명수 교수(UNIST)

WK4-F-1 **15:45-16:00**	**The Process Development for Monolithic 3D Integration Using Large-Scale Silicon-On-Insulator (SOI) Wafer Bonding** Hyeoncheol Cho[1], Hoonhee Han[1], Jaejoong Jung[2], Byeongjin Cho[2], and Changhwan Choi[1] *[1]Division of Materials Science and Engineering, Hanyang University, [2]Department of Electronic Engineering, KAIST*
WK4-F-2 **16:00-16:15**	**저마늄 확산 효과와 결정화 엔지니어링을 통한 3차원 수직 낸드플래시 메모리용 폴리실리콘 채널 이동도 향상에 관한 연구** Tae In Lee[1], Yun Hee Lee[1], Eui Joong Shin[1], Min Ju Kim[1], Jung Hoon Lee[2], Jaeduk Lee[2], and Byung Jin Cho[1] *[1]School of Electrical Engineering, KAIST, [2]Flash Product & Technology, Samsung Electronics Co., Ltd.*
WK4-F-3 **16:15-16:30**	**Green Laser Annealing을 활용한 Monolithic 3D Integration 상부 PMOS 소자 구현과 성능 향상에 대한 연구** Youngkeun Park[1], Semin Noh[1], Jaejoong Jeong[1], Jaecheol Shin[2], and Byung Jin Cho[1] *[1]School of Electrical Engineering, KAIST, [2]Laser Process Development, Digital Imaging Technology*
WK4-F-4 **16:30-16:45**	**CMOS SPAD의 구조 최적화를 통한 수광 효율 향상** Eunsung Park[1,2], Woo-Young Choi[1], and Myung-Jae Lee[2] *[1]Department of Electrical and Electronic Engineering, Yonsei University, [2]Post-Silicon Semiconductor Institute, KIST*
WK4-F-5 **16:45-17:00**	**Noise Perspective of Low Temperature Gate Oxide Adjustment with Single and Dual Dipole Engineering for 3D Sequential Approach** Younggwang Yoon[1], Jacopo Franco[2], Eddy Simoen[2], Alessio Spessot[2], and Naoto Horiguchi[2] *[1]SK Hynix, [2]IMEC*
WK4-F-6 **17:00-17:15**	**Three-Dimensional Topology Simulation of Vertically Stacked Complementary Field Effect Transistor (CFET) with 5 nm Channel Width** In Ki Kim and Sung-Min Hong *School of Electrical Engineering and Computer Science, GIST*
WK4-F-7 **17:15-17:30**	**Investigation of Effect of Monolithic 3D Inverter Stacked with MOSFETs on Random Dopant Fluctuation** Geun Jae Lee[1,2], Tae Jun Ahn[1,2], and Yun Seop Yu[1,2] *[1]Department of ICT Robot Engineering, Hankyong National University, [2]Department of Electrical, Electronic and Control Engineering, Hankyong National University*