2018년 2월 6일(화), 14:10-15:55
Room I (청옥II+III, 6층)

K. Memory (Design & Process Technology) 분과
[TI2-K] Devices for Neuromorphic Computing
좌장: 김영희 교수(창원대학교), 유경창 박사(삼성전자)

TI2-K-1 14:10-14:25	**Hardware Implementation of Neural Network Using Pre-Programmed Resistive Device for Pattern Recognition** Woo-Seok Choi, Kibong Moon, Jaesung Park, Seokjae Lim, and Hyunsang Hwang *Department of MS&E, POSTECH*
TI2-K-2 14:25-14:40	**Nociceptive Memristor** Yumin Kim[1], Young Jae Kwon[1], Dae Eun Kwon[1], Kyung Jean Yoon[1], Jung Ho Yoon[2], Sijung Yoo[1], Hae Jin Kim[1], Tae Hyung Park[1], Jin-Woo Han[3], Kyung Min Kim[4], and Cheol Seong Hwang[1] *[1]Department of Materials Science and Engineering and Inter-University Semiconductor Research Center, Seoul National University, [2]Department of Electrical and Computer Engineering, University of Massachusetts, [3]Center for Nanotechnology, NASA Ames Research*
TI2-K-3 14:40-14:55	**Synaptic Devices Using MOSFET with Memory Functionality for Neural Network** Sung Yun Woo, Kyu-Bong Choi, Suhwan Lim, Byung-Gook Park, and Jong-Ho Lee *Department of Electrical and Computer Engineering and Inter-University Semiconductor Research Center, Seoul National University*
TI2-K-4 14:55-15:10	**시냅스 소자를 위한 상변화메모리(PCRAM)의 다치화 특성 향상에 대한 전산모사 연구** 신민규, 권용우 *Department of Materials Science and Engineering, Hongik University*
TI2-K-5 15:10-15:25	**Evaluation of Weight Quantization Method in Neural Network with TaO_x-Based RRAM** Jaesung Park, Myunghoon kwak, and Hyunsang Hwang *Department of Materials and Science Engineering, POSTECH*
TI2-K-6 15:25-15:40	**Two-Terminal Organolead Halide Perovskite (OHP) Synaptic Device for Neuromorphic Device Applications** Seong-gil Ham, Haein Cho, and Gunuk Wang *KU-KIST Graduate School of Converging Science & Technology. Korea University, Department of Chemical and Biological Engineering, Korea University*
TI2-K-7 15:40-15:55	**Analog Synaptic Motion in a $Pt/CeO_2/Pt$ Crossbar Array Structure** Hyung Jun Kim, Paul Yang, Daehoon Park, Geon Won Beom, Sun Ki Kim, and Tae-Sik Yoon *Department of Materials Science and Engineering, Myongji University*