Session Date: March 8(Wed.), 2023
Session Time: 15:15-16:40
Session Room: Room F (#317)
Session Chair: Dr. Gabriele Navarro (CEA-LETI)

[20F-1] [Invited] 15:15-15:40
Device-Algorithm Co-optimization for Neuromorphic Computing
Sangbum Kim
Seoul National University

Analysis of Valence Change Mechanism Memristors Considering Charge Transition of Oxygen Vacancies
Juseong Park and Kyung Min Kim
Korea Advanced Institute of Science and Technology

[20F-3] 15:55-16:10
Controllable Conductive Filament Formation in Resistive-RAM Using ZnO Nanoparticles and Its Mechanisms
Chungnam National University

[20F-4] 16:10-16:25
Crossbar Arrays Based on “Wall” Phase-Change Memory (PCM) and Ovonic-Threshold Switching (OTS) Selector: a Device Integration Challenge Towards New Computing Paradigms in Embedded Applications
Université Grenoble Alpes CEA-Leti

[20F-5] 16:25-16:40
Five-Fold Reduction in RESET Energy Consumption by Nitrogen Doping in Phase Change Memory
Wasi Uddin¹, Ajay Kumar Agrawal¹, Paritosh Meihar¹, Avinash Singh², Tarun Malviya², Rohit Ranjan², Sandip Lashkare¹, Kumar Priyadarshi¹ and Udayan Ganguly¹

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