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Tae-Sik Yoon, Ph.D. is a professor at Graduate School of Semiconductor Materials and Devices Engineering & Department of Materials Science and Engineering and Director of Center for Future Semiconductor Technology at Ulsan National Institute of Science and Technology (UNIST), Korea. Before joining UNIST, he was a professor in Myongji University from 2007 to 2020. After he received B.S., M.S., and Ph.D. degrees from Seoul National University, Korea, he was a postdoctoral researcher in Seoul National University and UCLA. Then, he worked for Samsung Electronics as a senior research to develop NAND flash memory devices. He has published around 140 journal papers and 16 patents. He was awarded a ministerial commendation from Ministry of Science and ICT for the contribution to semiconductor technology development at 2020. His current research interests include non-volatile memory devices and artificial synapse devices for neuromorphic systems.