
Prof. Youngbin Tchoe

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Youngbin Tchoe is an Assistant Professor in the Department of Biomedical Engineering at the Ulsan National Institute of Science and Technology (UNIST), Republic of Korea. He received his Ph.D. in Physics from Seoul National University, working in Prof. Gyu-Chul Yi's lab, where he focused on semiconductor optoelectronic devices. From 2018 to 2023, he was a Postdoctoral Researcher at the Integrated Electronics and Biointerfaces Laboratory at UC San Diego under the guidance of Prof. Shadi Dayeh. During this time, he spearheaded the development of high-channel, high-density brain interface devices using novel materials and fabrication techniques. Dr. Tchoe has authored or co-authored numerous publications in the fields of biointerface and semiconductor devices. He is dedicated to advancing brain-machine interface technology through new approaches and interdisciplinary collaboration.