Prof. Byungjin Cho

(Chungbuk National University, Republic of Korea)

Byungjin Cho is an Associate Professor in the Department of Advanced Material Engineering at Chungbuk National University (CBNU), Republic of Korea. He received his doctor degree from Gwangju Institute of Science and Technology (GIST) in Republic of Korea in 2012, followed by a postdoctoral researcher position at UCLA. After that, he joined the Korea Institute of Materials Science in Korea, and has been working at CBNU since 2017.

Cho's research focuses on the synthesis of atomically thin layered nanomaterials and their multi-electronic applications including high-performance transistors, neuromorphic synaptic devices to mimic the information processing mechanism of the human brain, and photonic devices to detect low-energy IR wavelengths. He investigates the physical and electrical properties of these electronic devices, with a particular emphasis on their working mechanisms. His further work aims to develop advanced photonics and electronics for practical applications.

He has received a couple of awards and honors for his work, including the President's Award of the Korea Industry-Academia Cooperation Association, the KIMS Talent Award, and multiple Best Poster Awards. He has been invited to present his research at conferences and seminars. He is currently the editor of a special issue of Nanomaterials journal since 2022 and has served as a session committee for Nano Korea 2021~2023 Symposium.

Prof. Cho has also published his research in over 70 academic journals and provided over 100 poster and oral presentations at international and local conferences. He has collaborated with researchers from other research universities and institutions in Korea and abroad. He had also served as the head of the Department of Advanced Material Engineering at CBNU.

As a professor, he is committed to mentoring the next generation of materials scientists and engineers. He has advised numerous graduate students and postdoctoral researchers, many of whom have gone on to successful careers in academia and industry. He is also actively involved in promoting diversity and inclusion in 2D material fields, serving as a mentor and advocate for underrepresented groups in his department and beyond.