



Prof. Sang-Mo Koo

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Dr. Sang-Mo Koo is a Full Professor in the Department of Electronic Materials Engineering at Kwangwoon University in Seoul, Korea, where he has served since 2006. His research focuses on wide bandgap semiconductors, and since 2018, he has directed the Center for Wide Bandgap Semiconductors. Dr. Koo has contributed to over 200 research papers in this field.

Dr. Koo earned his Ph.D. in Electronics from KTH - Royal Institute of Technology in Stockholm, Sweden (2003), following a Tek. Licentiate degree (1999) from KTH and a Bachelor's in Electrical Engineering from Korea University, Seoul (1997). His extensive experience includes serving as a visiting professor at KTH (2012), a research scientist at the National Institute of Standards and Technology (NIST), USA (2003–2005), and a visiting researcher at MIT (1999).

Since 2023, Dr. Koo has held a key role in Korea's National Science and Technology Advisory Council, focusing on strategic semiconductor coordination. In 2025, he will serve as Chair of the International Conference on Silicon Carbide and Related Materials (ICSCRM). Dr. Koo has led EU-Korea research projects and co-chaired the International Symposium on SiC and WBG Semiconductors since 2019, advancing semiconductor technology worldwide.

Dr. Koo's achievements have been recognized with awards such as the 2024 Award for Scientific and Technological Innovation from Korea's Ministry of Science and ICT and the 2022 Commendation for Meritorious Service in the Semiconductor Industry from the Ministry of Trade, Industry, and Energy. He was also twice invited to the Nobel Ceremonies as a distinguished scholar (1998, 2000).