



Senior Research Scientist (Dr.) Jang-Kwon Lim

(RISE Research Institutes of Sweden AB,
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Jang-Kwon Lim was born in Gwang-Ju, Korea, in 1979. He earned his M.E. degree in Electrical Engineering from Korea University in Seoul in 2005 and his Ph.D. from the Royal Institute of Technology (KTH) in Stockholm, Sweden, in 2015.

Between 2004 and 2005, he served as a Research Fellow at the Korea Electronics Technology Institute (KETI) in Seongnam, Korea, where he worked on MEMS-based pressure sensors for automotive modules and medical applications.

From 2005 to 2007, he was an Assistant Research Engineer at LG Materials /Components R&D Center in Ansan, Korea, engaging in the development of GMR-based biosensors, micro cooler modules, and flexible displays.

From 2008 to 2018, he was a Research Scientist at RISE Acreo AB in Kista, Sweden, where he participated in numerous projects focusing on SiC power devices and power electronics.

From 2018 to 2020, he worked as a SiC Power Devices and Applications Engineer at ON Semiconductor Corporate R&D (Transic AB in Sweden), where he was responsible for high-voltage dynamic testing and improving the switching performance of SiC MOSFETs for the automotive market.

Since 2020, he has returned to RISE AB as a Senior Research Scientist, currently concentrating on wide band-gap semiconductor devices and power electronics applications. His areas of expertise include device simulations, electrical characterizations (static, dynamic, and reliability testing), and applications testing. He also manages the power device characterization lab and several projects.