

NVMTS 2024

October 21-23, 2024 | Paradise Hotel Busan (Haeundae Beach), Busan, Korea

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Dominik Kleimaier received his master's degree in Materials Science from RWTH Aachen University in 2019. He joined GlobalFoundries in 2018 and currently holds the position of Senior Device Engineer. His focus is on the development, improvement, and optimization of active and passive nanoelectronic devices, with a particular emphasis on the advanced 22 nm Fully Depleted Silicon On Insulator (FDSOI) technology node.

Since 2020, he has been working on a collaborative research project with TU Dresden and NaMLab gGmbH on Hafnium Oxide (HfO₂)-based Ferroelectric Field-Effect Transistors (FeFETs) to explore the potential of this promising technology. His work involves the development, characterization, and optimization of HfO₂-based FeFET devices.

He holds multiple patents or patent applications in the field of semiconductor engineering and is an author or co-author of multiple publications. He also serves as a reviewer for various journals and conferences.