

From Chemistry to sub-nanometer precision - My journey into the semiconductor industry

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I earned my bachelor's degree in chemistry with a focus on biochemistry in Hamburg, followed by a master's degree in chemistry specializing in nanoscience and semiconductor nanoparticles. My PhD research centered on the nucleation and growth of gold nanoparticles. After completing my doctorate, I worked for two years as a consultant at a medium-sized company in Munich. I currently hold a position as a scientific coworker at Carl Zeiss SMT in Oberkochen. In an era where digitalization and the global AI race rely heavily on high-performance computer chips, our work at the SMT and our strategic partner ASML, is critical. Our product, the EUV wafer stepper used in EUV-lithography, enables the production of the latest generation of chips. In my role, I combine my passion for IT with my expertise in optics and general science, contributing to cutting-edge advancements in semiconductor technology.