

Dr Volker Naumann

Title	Dr. rer. nat.
First name, last name	Volker Naumann
Job Position	Researcher, Team leader
Employer	Fraunhofer Institute for Microstructure of Materials and Systems IMWS
City, Country	Halle, Germany

Dr. Volker Naumann studied physics in Halle, Germany. He started his career at Fraunhofer Center for Silicon Photovoltaics CSP in 2008. From 2010 to 2021 he worked there as a researcher on diagnostics and microstructure analysis. He obtained his PhD in physics, with a thesis on root-cause analyses of Potential Induced Degradation of silicon solar cells, from Martin Luther University Halle-Wittenberg in 2014. Since 2017 he leads a team with focus on high-resolution materials analysis. In early 2022, he and his team moved to the group “Materials Diagnostics for H2 Technologies” at Fraunhofer IMWS. With their portfolio of advanced characterisation techniques, ranging from lock-in thermography over nearly ten orders of magnitude to analytical transmission electron microscopy, they are driving the development of new methods to elucidate degradation phenomena in PEM electrolyzers and other components.

Volker Naumann is the author of more than 50 peer-reviewed papers, has given more than 40 conference presentations, has received ten awards, and holds three granted patents and five patent applications.