



Carsten Schilde

Prof. Dr.-Ing. Carsten Schilde is a Full Professor at TU Braunschweig, where he holds a Heisenberg Professorship in “Digital Methods for Complex Systems in Process and Production Engineering” and is based at the Institute for Particle Technology. He studied Bioengineering at TU Braunschweig and obtained his doctorate there in 2012 under Prof. Dr.-Ing. Arno Kwade. Since then, he has held several research and leadership positions at the Institute for Particle Technology, including postdoctoral researcher, working group and team leader, and Junior Professor. Since 2020, he has also served as Director of Lion Engineering.

Prof. Schilde’s research focuses on particle technology, digitalisation, simulation, and complex process and production systems. He is involved in several interdisciplinary research centres at TU Braunschweig and serves as speaker of the university’s Phoenix High Performance Computing cluster. He currently supervises around 20 doctoral researchers and postdocs, as well as approximately 35 Bachelor’s and Master’s theses. His work is supported by major funding organisations and industry partners, and his academic achievements include membership in the DFG Heisenberg Programme since 2021 and the 2019 Friedrich Löffler Prize for experimental and numerical research in particle technology.