



Ralf D. Geckeler received his Ph.D. in 1998. Since 2000, he has been a researcher at the Physikalisch-Technische Bundesanstalt (PTB), the national metrology institute of Germany. He is currently head of the Length and Angle Graduations Group. His own research focuses on angle measurement devices, such as autocollimators and angle encoders, in international collaboration with industry and research institutes. Current topics include the improvement of autocollimator performance and calibration, the further development of angle metrology for the characterisation of beamline optics at synchrotron and XFEL facilities worldwide, and the development of novel approaches and advanced mathematical algorithms for the calibration of angle measurement devices.