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Dr.-Ing. Falk Tegtmeier studied electrical engineering at the Technical University of Braunschweig and specialized in measurement techniques. He completed his German “Diplom” studies in 1996. After that, he worked at the TU Braunschweig in the field of measurement techniques in high voltage applications. In March 1998, Dr. Tegtmeier started work at PTB, where he developed a micro sensor for the determination of strain and stress in building structures. In so doing, new encapsulations of strain gages were also developed. He completed this work in 2005 and was awarded a doctoral degree. Since then, he has been a scientist in Department 1.2, “Solid Mechanics” of PTB. He has worked on several projects about force measurement techniques regarding the traceability of the newton with lowest uncertainties. Since 2015, he has been the head of PTB’s Working Group 1.23, “Force Measurement Technique”. Falk Tegtmeier is a member of the DKD working groups for force and acceleration and for material testing machines.