



Scientific achievements honored by TU Braunschweig

Being a graduate of the faculty of mechanical engineering of the Technical University of Dresden, Germany, Martin Brucke joined the department of research and development of SPEKTRA in 2005. He was responsible for the development of products such as the type SE-09 high frequency vibration exciter, the High-shock Hopkinson bar and the Medium-shock Hopkinson bar and thus made a substantial contribution to the extension of SPEKTRA's business fields.

In 2008 he took over as head of the R&S department of SPEKTRA. At the same time he started working on a doctoral thesis about the excitation of waves in bars for the purpose of calibrating acceleration sensors, which he submitted to the Technical University of Braunschweig, Germany. As the latest milestone in his activities, he recently vindicated his doctoral thesis successfully.

The type SE-220 Hopkinson-bar shock exciter driven by a piezo actuator is a result of his work. This shock exciter distinguishes itself not only by its outstanding precision in the repeatability of shock, unknown so far, but also by its capability of shaping the shock spectrum selectively. Since this latest development is absolutely revolutionary in that it opens up new testing methods, e. g. for investigations into MEMS sensors, SPEKTRA has applied for patent protection worldwide.

We congratulate Dr.-Ing. Martin Brucke on his doctorate, wishing him and us many more interesting achievements, also to the benefit of our customers.