

About the authors

Ulrich Teubner studied physics at the University of Heidelberg. In 1991, he received his Ph.D. degree from the University of Göttingen and in 1998 his habilitation from the University of Jena. After scientific research positions at different universities and Max-Planck-Institutes in Germany and scientific stays at the École Polytechnique in France, the Rutherford Laboratory in UK, etc., he headed the Optics Department of the Institute of Micro Technology Mainz (IMM). In 2006, he became Professor at the University of Applied Sciences Emden/Leer (Germany). He is member of the Institute of Laser and Optics in Emden and also of the Institute of Physics of the Carl von Ossietzky University of Oldenburg. His research interests are ultra-short laser pulses, high-power laser pulses, the interaction of intense laser pulses with matter, X-ray and XUV-optics, detectors and diagnostics, laser micro processing, shock waves at micro scale, ultrafast measurements with X-ray and XUV-Free Electron Lasers and optical imaging.

Hans Josef Brückner studied physics with a focus on solid-state physics and received his Ph.D. degree in 1988. After more than 10 years' experience of professional research and development in guided-wave optics and different fields of telecommunications in Germany and France, he became the Professor for Laser Applications at the University of Applied Sciences Emden/Leer (Germany) in 1999. He is a member of the Institute of Laser and Optics in Emden. His professional focus lies in the field of optoelectronics, integrated optics, optical fiber technology and optical imaging. He has been in retirement since 2020.

Both authors have been involved in teaching in the Bachelor and in the Master program of Engineering Physics, a joint program at the University of Applied Sciences Emden/Leer and the University of Oldenburg. Besides teaching of basic and advanced subjects, their teaching activities have also involved a conjoint course on optical imaging and photography.

