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Keynotes:
Laser Optics, Quantum Sensors, Bose-Einstein Condensates,
Nonlinear Optics, Precision Metrology, Atomoptics



Ernst M. Rasel is a full professor at the Leibniz Universität Hannover (LUH) and the Leibniz faculty for Quantum Engineering and Space-Time Research (QUEST-LFS). He received his PhD in 1996 from the Leopold-Franzens-Universität Innsbruck for the demonstration of an atom interferometer based on diffraction gratings made of light in the group of A. Zeilinger. He cooperated during his postdoc at the Ecole Normale Supérieure in Paris with M. Leduc and Cohen-Tannoudji on Bose-Einstein condensation of metastable helium. 1999 he joined the group of W. Ertmer at the institute of quantum optics (LUH) as research assistant and started his own group at LUH and the excellence cluster QUEST working in the field of atom optics, interferometry and frequency metrology.