

**Thomas Udem** studied physics at the University of Giessen/Germany and at the University of Washington in Seattle/USA. In 1993 he received his diploma from the University of Giessen. After that he was working towards the PhD at the Max-Planck Institute of Quantum Optics in Garching/Germany, which he received from the Ludwigs Maximilians Universität Munich/Germany in 1997. Since then he has been working at the Max-Planck Institut of Quantum Optics and at the National Institute for Standards and Technology in Boulder/USA. In 2004 he received his habilitation from the Ludwigs Maximilians Universität Munich/Germany and became a fellow of the Max-Planck Institute of Quantum Optics.

Since 2016 he is a professor at Ludwigs Maximilians Universität Munich/Germany. His scientific work includes precision optical metrology that involves simple atomic systems such as hydrogen, opto-mechanics and precision spectroscopy with ion traps and precision astronomy. In addition he is conducting research that aims at making XUV radiation from high harmonic generation useful for high-resolution spectroscopy.

Thomas Udem received the 2006 Röntgen Award of the University of Giessen and the 2013 EPS Prize for Research in Laser Science and Applications. He is a fellow of the Optical Society of America and the American Physical Society as well as a member of the German Physical Society.