



Hermann Harde

Helmut Schmidt University, Electrical Engineering, Faculty Member | Elect

Biography

1966-1970 studies with focus on atomic and laser physics at the Technical University of Braunschweig
1971-1974 scientific assistant and PhD at University of Kaiserslautern.
1975 Professor for Laser-Engineering
1982 Professor for Laser-Engineering and Materials Science at the Helmut-Schmidt University
1990 and 1992 Visiting Scientist at IBM Watson-Research Center, Yorktown Heights
1995 and 1996 Visiting Scientist at Oklahoma State University, Stillwater, Oklahoma
1995 - 1997 Dean of School of Electrical Engineering, Helmut-Schmidt-University, Hamburg
1997 - 1999 Vice-President of Helmut-Schmidt-University, Hamburg
2010 retired

Research fields:

- generation and detection of ultrashort light pulses
- propagation of ultrashort light pulses in optical fibers
- quantum interference effects in atoms and molecules
- gas sensors for medical and environmental applications
- cleaning and micro-structuring with lasers
- far IR-spectroscopy with femtosecond terahertz pulses
- propagation of electromagnetic radiation in the atmosphere
- influence of greenhouse gases on climate

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