

Curriculum Vitae Prof. Dr. Steffen Hardt

Fachgebiet Nano- und Mikrofluidik
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Academic Training

- 1986 – 1992 Studied physics at the University of Giessen and the University of Washington/Seattle, USA. Degree: Diploma.
- 1992 – 1996 Doctorate (Dr. rer. nat.) in Theoretical Physics, University of Giessen. Title of the dissertation: *Dirac-Tensor-RPA theory of the nucleon and effective quark models*
- 1993 DAAD scholarship holder at the University of Washington/Seattle, USA.

Scientific Career

- 1996 – 1997 Postdoctoral researcher at the Institute for Theoretical Physics, University of Giessen.
- 1997 – 1999 Research Associate, Fraunhofer Institute for Microtechnology and Microsystems, Mainz
- 1999 – 2001 Head of the Simulation Group, Fraunhofer Institute for Microtechnology and Microsystems, Mainz
- 2001 – 2003 Head of the Fluidics and Simulation Department, Fraunhofer Institute for Microtechnology and Microsystems, Mainz
- 2004 – 2006 Lecturer and Research Associate, Institute of Technical Thermodynamics, TU Darmstadt
- 2006 – 2009 Professor (W3) for Nano- and Micro Process Technology, University of Hannover
- 2009 – Professor (W3) for Nano- and Microfluidics, TU Darmstadt

Research Areas

- Transport processes in fluids on small scales
- Electrokinetic transport processes
- Interfacial flow
- Wetting phenomena
- Nanoscale gas kinetics
- Separation and manipulation of biomolecules