Dr. habil. Matthias Steffen

Leibniz-Institut für Astrophysik Potsdam (AIP)
An der Sternwarte 16, D-14482 Potsdam, Germany
Phone +49 (0)331 - 7499 - 371
E-mail: MSteffen@aip.de

Curriculum Vitae

Date of birth:	16.11.1955	
Place of birth:	Neumünster, Germany	
Education:	1981	Diploma in physics, University of Kiel
	1984	Ph.D. in physics, University of Kiel
	1993	Habilitation in astronomy, University of Kiel
Employment:	2001 – today	Staff member at AIP (permanent)
	1998 – 2001	Research associate at AIP
	1994 – 1998	Research assistant at AIP
	1993 – 1994	Akademischer Rat, University of Kiel
	1988 – 1993	Research assistant, University of Kiel
	1987 – 1988	Research Fellow, NSO, Tucson, Arizona (USA)
	1981 – 1987	Research assistant, University of Kiel
Memberships:	International Astronomical Union, Astronomische Gesellschaft	
Research interests:	(Magneto-) Hydrodynamics, radiative transfer; numerical methods	
	Stars: atmospheres, convection, winds, chemical abundances; Planetary Nebulae	
Further responsibilities:		
2002 –	Ombudsman regarding good scientific practice at AIP	
2009 –	Secretary editorial office of "Astronomische Nachrichten"	

Five important papers

- Steffen, M.: 1985, Astron. Astrophys. Suppl. **59**, 403
  A model atmosphere analysis of the F5 IV-V subgiant Procyon
- Steffen, M.; Szczerba, R.; Schönberner, D.: 1998, Astron. Astrophys. **337**, 149
  Hydrodynamical models and synthetic spectra of circumstellar dust shells around AGB stars. II. Time-dependent simulations
- Steffen, M.; Holweger, H.: 2002, Astron. Astrophys. **387**, 258
  Line formation in convective stellar atmospheres. I. Granulation corrections for solar photospheric abundances
- Steffen, M.; Schönberner, D.; Warmuth, A.: 2008, Astron. Astrophys. **489**, 173
  The evolution of planetary nebulae. V. The diffuse X-ray emission
- Steffen, M., Prakapavičius, D., Caffau, E., et al.: 2015, Astron. Astrophys. **583**, A57
  The photospheric solar oxygen project. IV. 3D-NLTE investigation of the 777 nm triplet lines