Curriculum Vitae
Peter H. Hauschildt

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Born:
October 17, 1962—Husum, Schleswig-Holstein, F.R.G., Europe

Nationality:
German

Education:

Dr. rer. nat.	1991	Astronomy	Universität Heidelberg (Supervisor: R. Wehrse)
Dipl. Phys.	1988	Physics	Universität Heidelberg (Supervisor: R. Wehrse)

Professional Experience:

Aug. 2002–present	Professor (C4) of Astronomy (Hamburger Sternwarte, UHH)
Jan. 2016–Jul. 2016	Deputy Dept. Chair, Dept. of Physics, UHH
Jan. 2014–Dec. 2015	Dept. Chair, Dept. of Physics, UHH
Jan. 2011–Dec. 2013	Managing Director, Hamburger Sternwarte
Sept. 2001–Aug. 2002	Associate Professor (UGA)
Sept. 1996– Aug. 2001	Assistant Professor (University of Georgia, UGA)
Apr 2005	Invited professor, Louis-Pasteur-University, Strasbourg
April/June 2004	Invited professor, Ecole Normale Superieure de Lyon
March/June 2003	Invited professor, Ecole Normale Superieure de Lyon
June 2002	Invited professor, Ecole Normale Superieure de Lyon
May/June 2001	Invited professor, Ecole Normale Superieure de Lyon
June/July 2000	Invited professor, Ecole Normale Superieure de Lyon
May/June 1999	Invited professor, Ecole Normale Superieure de Lyon
1997–present	Center for Simulational Physics (UGA)
1993–1996	Visiting Assistant Professor (ASU)
1991–1993	Research Associate (ASU)
1985–1991	Research Assistant (Universität Heidelberg)

Honors and Awards:

SoSe 2008	1nd class teaching award of Dept. Physik (UHH) for 'Astrophys. Numerikum'
WiSe 2005	2nd class teaching award of Dept. Physik (UHH) for 'Astro II'
WiSe 2004	1st class teaching award of Dept. Physik (UHH) for 'Das Sonnensystem'
SoSe 2003	1st class teaching award of Dept. Physik (UHH) for 'Astro II'
2002	Lamar Dodd Award for Creative Research (UGA)
1989–1991	Stipendium of the state of Baden-Württemberg

Current University Service Jobs

Universität Hamburg	IT-Lenkungsausschuss (CIO)
MIN Fakultät	Faculty Information Officer (FIO)

Teaching Experience:

2002–present	Various undergraduate and graduate level courses at UHH
1996–2002	Various undergraduate and graduate level courses at UGA
1992–1995	Graduate level courses on Stellar Atmospheres (ASU)
1992–1995	supervision of 1–2 undergraduates per semester in the *Arizona Space Grant Consortium* project

Dissertations

Name	Topic	year	duration	career path
Travis Barman	Irradiated Planets	2002	3 yr	Assoc. Prof. (Tucson)
Alexander Petz	Model atmospheres for X ray novae	2005	3 yr	Industry
Matthias Dehn	Dust formation in M dwarfs	2007	3 yr	Industry
Sebastian Knop*	General relativistic radiation transport	2007	2.5 yr	Federal Agency
Christine Johnas	Line profiles in ultra-cool atmospheres	2007	3 yr	Industry
Alexander Wawzryn	Irradiated secondaries in pre-CVs	2009	3 yr	State Administration
Daan van Rossum*	Model atmospheres for SuperSoftSources	2009	3 yr	Postdoc Chicago
Dennis Jack	Lightcurves of Type Ia Supernovae	2009	3 yr	Assoc. Prof. (Mexico)
Sören Witte	Simulations of atmospheric dust clouds	2011	3 yr	Observatory staff
Andreas Seelmann	3D radiative transfer . . . Eulerian approach	2011	3 yr	Industry (Denmark)
Mariana Wagner	Reflectance spectra of Earth-like Exoplanets	2011	3.5 yr	Industry
Veronica Arias	3D hydrodynamic simulations of substellar objects	2012	4.5 yr	Postdoc Bogota
Ernst Lexen	Parameter sensitivity of synthetic spectra . . .	2014	3 yr	Postdoc Heidelberg
Alexander Berkner	3D NLTE modeling of molecular lines (CO)	2015	3 yr	Industry

*: with distinction (summa cum laude)

Publications:

- Refereed papers: 254 (June 2016, ADS)
- h-index: 62 (June 2016, ADS)
- total citations: 16957 (Jun. 2016, ADS)

TEN MOST IMPORTANT PUBLICATIONS

1. Hauschildt, P.H., and Baron, E.: 2014, *A 3D radiative transfer framework: XI. multi-level NLTE*, A&A, **566**, A89.
2. Hauschildt, P.H. and E. Baron (2010). A 3D radiative transfer framework: VI. PHOENIX/3D example applications. *Astronomy & Astrophysics*, **509**, 36.
3. Knop, S., Hauschildt, P.H., and Baron. E.: 2009, *Comoving-frame radiative transfer in arbitrary velocity fields. II. Large scale applications*, A&A, **501**, 813-820.
4. Hauschildt, P.H.and Baron, E.: 2006 *A 3D radiative transfer framework: I. non-local operator splitting and continuum scattering problems*, A&A, **451**, 273–284.
5. T. S. Barman, Hauschildt, P.H., and F. Allard (2005). Phase-Dependent Properties of Extrasolar Planet Atmospheres. *Astrophysical Journal*, **632**, 1132.
6. Hauschildt, P.H., F. Allard, and E. Baron. (1999). The NextGen Model Atmosphere grid for $3000 \leq \mathrm{T_{eff}} \leq 10000\,\mathrm{K}$. *Astrophysical Journal*, **512**, 377.
7. Hauschildt, P.H. and E. Baron (1999). Numerical Solution of the Expanding Stellar Atmosphere Problem. *Journal of Computational and Applied Mathematics*, **109**, 41.
8. I. Baraffe, G. Chabrier, F. Allard, and Hauschildt, P.H. (1998). Evolutionary models for solar metallicity low-mass stars: mass-magnitude relationships and color-magnitude diagrams. *Astronomy & Astrophysics*, **337**, 403.
9. Hauschildt, P.H., Starrfield, S., Shore, S. N., Allard, F., Baron, E.: 1995, *The Physics of Early Nova Spectra*, ApJ, **447**, 829
10. Hauschildt, P.H.: 1993, *Multi level non-LTE radiative transfer in expanding shells*, J. Quant. Spec. Radiat. Transf., **50**, 301–318