

Gernot Pauschenwein – Curriculum Vitae

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Neuwaldeggerstr. 29/1/9, 1170 Wien
Date of Birth: October 24th, 1977
Place of Birth: Eisenstadt, Austria
Nationality: Austrian



Basic Education

1984 – 1988 Volksschule Wiesen
1988 – 1996 **Bundesrealgymnasium** Mattersburg
1992 – 1996 Participation at the Austrian Mathematics and Physics Olympiads
June 1996 **Matura** passed with distinction, “Honourable Mention” at the 27th International Physics Olympiad in Oslo

Higher Education

1997 – 2004 Studies in **Technical Physics** at the Vienna University of Technology
Projects in quantum field theory, string theory, general relativity, chaotic systems
Sept. 1999 First diploma exam passed with distinction
Oct. 2004 Second diploma exam passed with
Diploma thesis: “Electrodynamics on the Möbius Strip”
2004 – 2008 **PhD Student** in the “Soft Matter Theory” group at the Institute for Theoretical Physics, TU Vienna and the CMS (Center for Computational Materials Science)
PhD thesis: “Phase Behaviour of Colloidal Systems”.
Oct. 2008 Rigorosum passed with distinction

Work experience

1996 – 1997 **Civil service** as paramedic and ambulance driver at the Red Cross
1997 – 1999 **Voluntary** paramedic and ambulance driver at the Red Cross
1999 – 2005 **Tutor** for the lectures “Methods of Theoretical Physics”, “Quantum Theory”, “Electrodynamics and Special Relativity”, and “Statistical Physics”
July/Aug. 2000 Internship at the ARCS Seibersdorf
July/Aug. 2001 Internship at Siemens AG Österreich, PSE (Optical&Transport Network)
July/Aug. 2002 Internship at **CERN**, Geneva (NA48-Experiment)
2005 – 2008 Project assistant at the Institute for Theoretical Physics, TU Vienna
May 2007 Visit to the Université Paris Sud through the HPC-EUROPA project RII3-CT-2003-506079, with the support of the European Community.

Conference Contributions

July 2005	6 th Liquid Matter Conference, Utrecht (Netherlands), Poster
June 2006	7 th Liblice Conference on the Statistical Mechanics of Liquids, Lednice (Check Republic), Poster
April 2007	32 nd Conference of the Middle European Cooperation in Statistical Physics, Ladek Zdrój (Poland), Poster
July 2007	CECAM Workshop, Lyon (France), Vortrag
Nov. 2007	Evaluation Hearing: Computational Materials Science, Vienna (Austria), Poster
April 2008	International Conference “Colloidal Dispersions in External Fields”, Bonn (Germany), Poster
April 2008	33 rd Conference of the Middle European Cooperation in Statistical Physics, Puchberg/Wels (Austria), Poster
July 2008	7 th Liquid Matter Conference, Lund (Sweden), Poster

Publications

2007	G. J. Pauschenwein, J.-M. Caillol, D. Levesque, J.-J. Weis, E. Schöll-Paschinger, and G. Kahl, <i>J. Chem. Phys.</i> 126 , 14501 G. J. Pauschenwein, Science and Supercomputing in Europe, CINECA Consorzio Interuniversitario, 2007, 1048 (<i>HPC-Europa Research Highlight</i>)
2008	G. J. Pauschenwein and G. Kahl, <i>Soft Matter</i> 4 , 1396 (<i>Hot Article</i>) G. J. Pauschenwein and G. Kahl, accepted by <i>J. Chem. Phys.</i> G. J. Pauschenwein and G. Kahl, to be published (<i>J. Phys.: Condens. Mat.</i>) G. J. Pauschenwein and G. Kahl, to be published (<i>J. Phys. A–Math. Theor.</i>) G. J. Pauschenwein, G. Kahl, P. Ziherl <i>et al.</i> , to be published

Computer Skills

Programming languages	Fortran 90, C, AWK excellent; C++, Unix Shell, Tcl/Tk good
Symbolic mathematics	Mathematica (incl. programming functions in C) excellent; Maxima good aquirements
Internet	HTML good (creator of http://tph.tuwien.ac.at/smt/)
Linux	system administration good, network administration good aquirements
Office	LaTeX excellent, MS Excel (incl. VBA), MS Word, MS Powerpoint, Open Office good

Languages

German (mother tongue), English excellent, French good aquirements

Hobbies

Table tennis, dance sports, reading