

## Curriculum vitae

### Current Affiliation

Automated Software Engineering  
RIACS  
NASA Ames Research Center  
Moffett Field, CA 94035

### Education

Feb 9th, 2000	Habilitation Degree (Dr. rer. nat. habil.) for “Computer Science” obtained at the Technische Universität München. Title of Habilitation Thesis: “Automated Theorem Proving in Software Engineering”
Oct 28th, 1991	Doctoral Degree (Dr. rer. nat.) obtained at the Technische Universität München. Title of Dissertation: “Efficient Theorem Provers based on an Abstract Machine”
Spring 1986	Diploma Degree in Computer Science. Diploma Thesis: “Portable Software Monitor and Debugger for Microprocessors with Bootstrap Loader and basic functions for Multiprocessing”
Fall 1982	Vordiplom (Bachelor degree)
80 – 86	Study of Computer Science with minor subject Electrical Engineering at the Technische Universität München
79	Abitur
70 – 79	Math. - nat. Rupprecht Gymnasium (High school with main subjects in Natural Science and Mathematics), München
66 – 70	Elementary School, München

## Scientific and professional activities

- 5/99 – Researcher at the Automated Software Engineering group, NASA Ames, Calif. (Caelum Research and RIACS)  
Research projects: Automatic program synthesis for data analysis (AutoBayes) and state-estimation (Autofilter, Amphion/NAV) programs, generation of UML statecharts from Scenarios, and VeriCoNN – techniques for verification and validation of neural networks based controllers.
- 5/01 – 2/03 Associate Director (area: Software Engineering), RIACS
- 8/98 – 4/99 Habilitation Grant Schu 908/5-2 of the “Deutsche Forschungsgemeinschaft” (German Science Foundation)
- 1/97 – 8/97 Research stay at the International Computer Science Institute (ICSI), Berkeley, Ca.
- 1/97 – 12/97 Habilitation Grant Schu 908/5-1 of the “Deutsche Forschungsgemeinschaft” (German Science Foundation)
- 7/92 – 4/99 Member of the Research Group “Automated Reasoning”, Technische Universität München
- 7/92 – 12/96 Project leader of subproject A5 (PARIS) within the ”Sonderforschungsbereich 342” and member in project ”SETHEO II” within the DFG-Schwerpunkt ”Deduktion”
- 9/95 – 12/95 International Fellow at Artificial Intelligence Center, SRI International, Menlo Park, Ca.
- 9/91 – 6/92 Project leader in the area of Software Development at Leading Edge Technology Transfer (lett), München-Gräfelfing
- 7/91 – 9/91 Invited Researcher at ICOT, Tokyo
- 6/86 – 5/91 Researcher at the AI Research Group (”Intellektik”) at the Technische Universität München
- 6/86 – 11/89 Researcher in Project ESPRIT 415F: ”Advanced Information Technology: A VLSI Oriented Approach: Logical Connection Machine”
- 9/83 Invited to Summerschool of the TU Munich (Comp. Science, Electrical Engineering, Mathematics, Physics), Sarntal, Italy

Member of ACM since 1984.