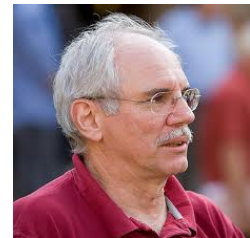


# Curriculum Vitae

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## Education

- 1981      **Habilitation/Venia Legendi for Mathematics**, Techn. Universität Darmstadt (TUD)  
Thesis[11] : “Geometrical Methods in Congruence Modular Varieties”.
- 1977      **PhD (Dr. rer. nat.)** Technische Universität Darmstadt (TUD)  
Thesis: “Algebras in Permutable Varieties”[7].
- 1974      **Diplom** (equiv. **Masters degree**), Mathematics, Minor in Physics  
Scholarship by Studienstiftung des Deutschen Volkes.  
Thesis: “Mal’cev Conditions in Sums of Varieties and a New Mal’cev Condition”[2].

## Academic positions

- 1991–current    **Philipps-Universität Marburg**. Professor for Theoretical Computer Science, Department of Mathematics and Computer Science
- 9/87–10/91    **State University of New York, New Paltz**. Professor for Computer Science, Department of Mathematics and Computer Science  
1989 Tenure, 1991 Full Professor. On leave: Summer 1991.
- 3/87–7/87    **University of California, Riverside**, Visiting Professor of Computer Science
- 9/85–3/87    **Universität Kassel**, Visiting Professor of Computer Science
- 9/84–3/85    **Technische Universität Darmstadt**, Visiting Professor of Computer Science
- 8/80–7/81    **University of Hawaii, Honolulu**, Visiting Professor of Mathematics

2/80–4/80 **Lakehead University, Thunder Bay, Canada**, Research Associate

1977–1980 **Technische Universität Darmstadt**, Research Assistant

## **Research positions outside Academia**

1982–1985 **GSF-medis**, Researcher in medical database applications

1989–1995 **Siemens Corporate Research**, Munich  
Research and Consulting in Verification and Model Checking.

## **Academic positions**

1992 – 1995 Head of Examination Committee, Marburg

1996 – 1997 Chairman, Department of Mathematics and Computer Science

2008 – current Head of Examination Committee, Marburg

## **Publications**

### **Textbooks**

“Introduction to Computer Science” [46, 47, 48, 49, 50, 51, 52, 53, 55](in German) with Manfred Sommer. More than 20,000 copies sold in 8 editions.

“Boolean Algebra” (in German) [38] with Werner Poguntke.

“Universal Algebra” (in German) [57] with Thomas Ihringer.

### **Journal and conference articles**

List of publications attached at the end. Most of them are downloadable from <http://www.mathematik.uni-marburg.de/~gumm/Papers/publ.html>.

## **Scientific activities**

### **Member of Editorial boards**

**AU** Algebra Universalis

**JUCS** Journal of Universal Computer Science

**IJMMS** Intl. Journal of Mathematics and Mathematical Sciences

### **Steering Committees**

**CMCS** Coalgebraic methods in Computer Science ( Head )

**CALCO** Algebra and Coalgebra in Computer Science (Head )

**SOOPA** Symposium on Object Oriented Programming Emphasizing Practical Applications

## **Program Committees**

**CMCS'03** Coalgebraic methods in Computer Science (Head )  
**CMCS'04, CMCS'06, CMCS'08, CMCS'10, CMCS'12** : PC member  
**CALCO'05, CALCO'07, CALCO'11, CALCO'13**: PC member

## **Reviewer for funding organizations**

**DFG** (German National Science Foundation)  
**NVO** (Dutch National Science Foundation)  
**Studienstiftung des Deutschen Volkes** (Grants for highly gifted students)

## **Reviewer for scholarly articles**

**MR** Mathematical Reviews  
**ZM** Zentralblatt für Mathematik  
Reviewer for numerous journals and conferences in Mathematics and in Computer Science

## **Peer evaluator for computer science curricula**

Expert witness for various accreditation organizations:  
**ASIIN, ACQUIN, AQAS**  
Head of accreditation committee (Computer Science)  
**ASIIN**

## **Language skills**

**German** (native language)  
**English** (full professional proficiency)  
**Spanish** (professional working proficiency)

## **Personal interests**

**Hobbies:** Running, biking, travelling.

## **List of publications**

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