

# Günter Harder



## Academic career

1964	Teachers examination
1964	PhD, University of Hamburg
1964 - 1966	Assistant Professor, University of Hamburg
1966	Habilitation, University of Hamburg
1967 - 1969	Assistant Professor, University of Heidelberg
1969 - 1974	Professor (C4), University of Bonn
1974 - 1980	Professor (C4), University of Wuppertal
1980 - 2003	Professor (C4), University of Bonn
1995 - 2006	Director, Max Planck Institute for Mathematics, Bonn
Since 1991	Scientific Member, Max Planck Institute for Mathematics, Bonn
Since 2003	Professor Emeritus, University of Bonn

## Honours

1987	Leibniz Prize
2004	Karl Georg Christian von Staudt Prize

## Invited Lectures

1970	Semisimple group schemes over curves and automorphic functions. Proceedings ICM in Nice, France
1990	Eisenstein cohomology of arithmetic groups and its applications to number theory. Proceedings of the ICM in Kyoto, Japan
2002	Workshop Arithmetic Groups and Automorphic Forms, Erwin Schrödinger International Institute for Mathematical Physics, Vienna, Austria

## Research Projects and Activities

Cohomology of arithmetic groups  
Applications to arithmetic

## Editorships

- Mathematische Annalen (until 1990)

## Supervised theses

Diplom theses: 70  
PhD theses: 30

## Selected PhD students

Joachim Schwermer (1977): "Eisensteinreihen und die Kohomologie von Kongruenzuntergruppen von  $SL^*(\mathbb{Z})$ ",  
now Professor, University of Vienna, Austria  
Ernst-Ulrich Gekeler (1979): "Drinfeld-Moduln und modulare Formen über rationalen Funktionenkörpern",  
now Professor, Saarland University  
Richard Pink (1988): "Arithmetical Compactification of Mixed Shimura Varieties",  
now Professor, ETH Zürich, Switzerland  
Uwe Weselmann (1991): "Kohomologische Kongruenzen zwischen automorphen Darstellungen von  $GL_2$ "

Christian Kaiser (1997): “Ein getwistetes fundamentales Lemma für die  $GS_{p_1}tn4$ ”,  
now Researcher and IMPRS Coordinator, Max Planck Institute for Mathematics, Bonn  
Jochen Heinloth (2004): “Coherent Sheaves with Parabolic Structures And Construction of  
Hecke Eigensheaves For Some Ramified Local Systems”,  
now Professor, University of Duisburg-Essen

### **Habilitations**

Richard Pink, now Professor, ETH Zürich, Switzerland  
Joachim Schwermer, now Professor, University of Vienna, Austria  
Ernst-Ulrich Gekeler, now Professor, Saarland University  
Jürgen Rohlf, now Professor Emeritus, Catholic University of Eichstätt-Ingolstadt

### **Selected publications**

- [1] Günter Harder. Interpolating coefficient systems and p-ordinary cohomology of arithmetic groups. *Groups Geom. Dyn.*, 5(2):393–444, 2011.
- [2] G. Harder. Arithmetic aspects of rank one eisenstein cohomology. In *Cycles, motives and Shimura varieties*, volume 21 of *Tata Inst. Fund. Res. Stud. Math.*, pages 131–190. Tata Inst. Fund. Res., Mumbai, 2010.