

**Prof. Dr. Dr. h.c. Gert-Martin Greuel**

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**Date of birth:** 16.10.1944

**Place of birth:** Köslin, Pommern, Germany

**Nationality:** German

**Status:** married since 1970, 5 children

**Education:**

1965 -- 1968 Study of mathematics and physics at the University of Göttingen

1968 -- 1969 Study of mathematics at the ETH, Zürich, Switzerland

1969 -- 1971 Study of mathematics in Göttingen

1971 Diploma in mathematics (Dipl. Math.) in Göttingen

1973 Promotion (Dr. rer. nat. PhD) in Göttingen (Advisor Prof. Dr. E. Brieskorn)

1980 Habilitation (venia legendi) in Bonn

**Experience:**

1971 -- 1980 Research assistant, Universities of Göttingen and Bonn

10/80 -- 2/81 Professor at the University of Osnabrück/Vechta

1981 -- 2010 Full Professor (C4) at the University of Kaiserslautern

1997 -- 1999 Dean of the Department of Mathematics at the University of Kaiserslautern

2002 -- 2013 Director of the Mathematisches Forschungsinstitut Oberwolfach

2010 -- 2013 Chair of European Research Centres of Mathematics (ERCOM)

2000 -- 2015 Ombudsman of the University of Kaiserslautern

2010 -- 2015 Distinguished Senior Professor at the University of Kaiserslautern

2013 -- 2015 Member of the Executive Committee of the European Mathematical Society

2013 -- 2015 Editor-in-Chief of Zentralblatt MATH (zbMATH)

1993 to date Director of the Centre for Computer algebra at the University Kaiserslautern

**Organisation of Conferences:**

Numerous organisations of Conferences, Schools and Symposia in Algebraic Geometry, Singularity Theory, Representation Theory, Computer Algebra, Mathematical Software and Electronic Publishing.

**Grants and Scientific projects:**

Numerous projects in mathematics supported by the Deutsche Forschungsgemeinschaft (DFG); German coordinator of the European Singularity Project (EU); Department head of the European POSSO project (EU); further grants from the DAAD, INTAS, EU, Volkswagen-Stiftung, Stiftung Rheinland-Pfalz für Innovation and German-Israeli Foundation for Scientific Research and Development; other research projects in singularity theory and/or computing, supported by national or international organisations (Procope, Acciones Integradas) and DFG projects supporting development of mathematical software and databases.

**Long term visits:**

France: IHES, Paris 7, Ecole Polytechnique, Nice, Grenoble; Netherlands: Leiden; USA: Chapel Hill, Brandeis, MSRI at Berkeley; Kanada: Toronto; Mexico: UNAM; UK: Warwick; Spain: Madrid, Valladolid, Sevilla; Norway: Oslo; Japan: Tokyo, Kyoto; Israel: Tel Aviv; Ukraine: Kiev; Russisa: Moscow; and others.

### **Editor, Memberships:**

Editor-in-Chief of "Zentralblatt MATH (zbMATH)" , 2012 -- 2015

Editor of "Ergebnisse der Mathematik und ihrer Grenzgebiete", 2009 to date

Editor of "Journal of Software for Algebra and Geometry", 2013 to date

Associate Editor of "Revista Matemática Complutense", 2004 to date

Editor-in-chief of "Oberwolfach Reports", 2004-2013

Member of the Steering Committee and of the Advisory Board for the MEGA-conferences 2003 (chair), 2005, 2007, 2009, 2011, 2013, 2015, 2017

Member of several international evaluation and steering committees in the USA (NSF), Netherlands (NWO), France (INRIA, ANR, CIRM), Switzerland (ETH), England (Isaac Newton Institute) and Spain (Severo Ochoa Programme); member of the Rolf Nevanlinna Prize Committee of the IMU in 2006; Chair of the Advisory Board of the Edmund Landau Minerva Center (Jerusalem); Member of the External Counselling Body (ECB) of the Hungarian Academy of Science since 2010; Panel Member of the Evaluation Committee for ERC Starting, Consolidator and Advanced Grants from 2009 to 2015

### **Honours, Awards:**

Honorary Doctorate from Leibniz Universität Hannover, 2009

Honorary Member of the Real Sociedad Matemática Española (RSME), 2011

Media Prize Mathematik (with Andreas Matt) by the Deutsche Mathematiker Vereinigung (DMV), 2013

### **Mathematical Software, Databases and Platforms:**

Direction (with G. Pfister, H. Schönemann and W. Decker) of the computer algebra system SINGULAR, 1990 - to date

Invited presentation of *Singular* at the ICM 1998 (Berlin), 3ECM 2000 (Barcelona).

The first Richard D. Jenks Memorial Prize for Excellence in Software Engineering for Computer Algebra to the *Singular* team in 2004

Direction of the *Oberwolfach References on Mathematical Software (ORMS)*, 2003 - 2013

Direction of the *Oberwolfach Digital Archive* project, funded by the DFG, 2008 - 2012

Direction of the *SMATH project*, an information service for mathematical software, funded by the Leibniz Association, 2011 - 2013

Scientific Advisor of *IMAGINARY - open mathematics*. An open, interactive platform and organization for communicating mathematics, 2007 - to date

### **Publications:**

About 100 mathematical research articles in refereed journals in singularity theory, algebraic geometry, computer algebra and applications. Editor of five books, author of three books.

Author of several articles about public awareness of mathematics and about electronic publication issues and data bases.

### **Outreach activities:**

Creator of IMAGINARY (together with Dr. Andreas Matt), a mathematical outreach project of the Mathematisches Forschungsinstitut Oberwolfach, with now more than 270 exhibitions in 53 countries, 27 languages and several million visitors ([www.imaginary.org](http://www.imaginary.org)).