

Prof. em. Dr. Dr.h.c. Heinz W. Engl

Curriculum Vitae

Born: 28.3.1953 in Linz (Austria)
catholic, married, 2 daughters, Austrian citizen

grade school and high school in Linz

1971-1975 studied „Technical Mathematics“ at the Johannes Kepler University in Linz, degree „Diplomingenieur“ awarded on 21.11.1975

1977 Doctoral degree awarded „sub auspiciis praesidentis“ (under the auspices of the Austrian President, highest academic honor) at the Johannes Kepler University in Linz

Scientific Career and Positions

1972-1975 Teaching Assistant at the Chairs for Operations Research and for Numerical Analysis at the Johannes Kepler University in Linz

1976-1981 Assistant Professor, Mathematical Institute, Johannes Kepler University in Linz

1979 Habilitation for Mathematics, Johannes Kepler University in Linz

1.5.1981 Appointed as Associate Professor with tenure at the Johannes Kepler University in Linz

1988-2013 Full Professor and holder of the Chair for Industrial Mathematics at the Johannes Kepler University in Linz

1992-1999 Head of the Christian Doppler Laboratory for Mathematical Modelling and Numerical Simulation

1999-2004 Key Researcher at the Software Competence Center Hagenberg

1999-2011 Scientific Head of the Industrial Mathematics Competence Center

2003-2011 Founding Director, Johann Radon Institute for Computational and Applied Mathematics (RICAM) of the Austrian Academy of Sciences

since 2003 Full Member of the Austrian Academy of Sciences (Corresponding Member from 2000)

2007-2011 Vice Rector for Research and Career Development at the University of Vienna

2011-2022 Rector of the University of Vienna

Long Term Scientific Visits

1976/77	Teaching and Research Assistant at the Georgia Institute of Technology (USA)
1978/79 (USA)	Visiting Assistant Professor, Department of Mathematics, University of Delaware
1980/81	Visiting Professor, University of Klagenfurt (Austria)
1986 und 1989	Visiting Fellow at the Australian National University (Centre for Mathematical Analysis)
1986/87	Visiting Professor at the University of Klagenfurt (Austria)
1988/89	Visiting Professor at the University of Vienna (Austria)
2001	Visiting Fellow at St. Chaterine´s College, Oxford University, researcher at the Oxford Centre for Industrial and Applied Mathematics
2003	Chair of the Special Semester on Inverse Problems at the Institute for Pure and Applied Mathematics, UCLA

Calls, Prizes and Honours

1971	International Mathematical Olympiad (CSSR), 3 rd Prize
1978	Theodor-Körner-Prize and Upper Austrian Science Prize
1995	Call to a Chair for Applied Mathematics at the University of Kaiserslautern, Germany (declined)
1998	Recipient of the Wilhelm-Exner-Medal
1999	Fellow of the Institute of Physics (London)
2000	Senior Fellow of the Christian Doppler Forschungsgesellschaft (Vienna)
2001	Call as Tenured Full Professor and Dean of Science to Rensselaer Polytechnic Institute, Troy, NY, USA (declined)
2007	Pioneer-Prize of the International Committee for Industrial and Applied Mathematics
2009	SIAM Fellow for key contributions to applied mathematics and computational science
2009	Kepler Prize of the Upper Austrian Government
2010	Honorary Professor at Fudan University, Shanghai
2012	Honorary Doctorate, Universität des Saarlandes, Saarbrücken

2013	Fellow of the American Mathematical Society
2013	Member of Academia Europaea
2023	Golden Medal of Honor (Goldenes Ehrenzeichen) of the Upper Austrian Government
2023	Great Golden Medal (Großes Goldenes Ehrenzeichen) of the Republic of Austria

Science Management

Member in many scientific organizations, e.g.: American Mathematical Society, SIAM, GAMM (1991-1997 member of the board), European Consortium for Mathematics in Industry (1994-1996 president), Austrian Mathematical Society (president 2002-2005).

1998-2001 Chairman of the Committee for Applied Mathematics of the European Mathematical Society

1994-2003 Member of the Board of Trustees (“Kuratorium”) of the Austrian Science Foundation (FWF); referee for mathematics (1994-1997 also for Computer Science), member of the local committee for the START and Wittgenstein prizes

Member of the Editorial Boards of numerous international journals, founder and Chief Editor of the journal „Surveys on Mathematics for Industry“ (from 1991 to 2004 Springer Verlag Vienna / New York)

Managing Editor "Radon Series on Computational and Applied Mathematics", Walter de Gruyter GmbH & Co KG, Berlin / New York

Co-Editor of the book series “Mathematik Kompakt”, Birkhäuser, Basel

Member of numerous program committees of international conferences, especially at the International Conference for Industrial and Applied Mathematics (ICIAM) 1995 and 2003

Member of the International Committee for Industrial and Applied Mathematics

Referee for various scientific journals and funding agencies including NSF

2000-2004 Member of the Strategy Board of the EU-Networks of Excellence “Mathematics and Computer Simulation in Industry”

1995-2000 Dean of the College of Science and Engineering (TNF), Johannes Kepler University in Linz

2003-2007 Member of the “Science and Technology Council” of Upper Austria

2003-2007 Member and Vice-Chairman of the University Council of the Technical University of Graz

Major supported projects

- 1984-1989 Special Research Program S32/03 of the Austrian Science Foundation FWF („Ill-posed problems with industrial applications“)
- 1990-1992 Project „Regularization of Nonlinear Ill-Posed Problems“, Austrian Science Foundation FWF
- 1992-1996 Project „Shape Optimization with Applications in Industry“, Austrian Applied Science Foundation FFF
- 1993-1995 Project „Mathematics as an Industrial Resource“, Austrian Science Foundation FWF (in the framework of the EU-program HCM)
- 1995-1999 Project „Iterative Methods for Nonlinear Inverse Problems“, Austrian Science Foundation FWF
- 1998-2002 EU-Project „Differential Equations in Industry in Commerce“ (TMR)
- 1998-2007 Long-term project „Large scale inverse problems“ within the Special Research Program („Spezialforschungsbereich“) „Numerical and Symbolic Scientific Computing“ of the Austrian Science Foundation FWF
- 1999-2002 Project „Parameter Identification in Partial Differential Equations“, Austrian Science Foundation FWF
- 2004-2007 EU-Project “Mathematics for the Glass Industry: Computing and Analysis” (Magical / Glass)
- 2005-2008 WWTF-Project “Modeling the Dynamics of Cellular Networks Using Inverse Methods” (with P.Schuster)
- 2005-2007 Project “Doktorandenkolleg: Molecular Bioanalytics: From molecular recognition to membrane transport (MoBA)”

numerous cooperation projects with national and international industry

Various

Numerous talks at universities and invited talks at international conferences, e.g., plenary speaker at the International Congress for Industrial and Applied Mathematics (ICIAM) 1999

Founder and owner of the company MathConsult GmbH

Member of Rotary Club Vienna