

## Curriculum Vitae

<b>Name</b>	Prof. Dr. Jürgen Scheurle
<b>Date and Town of Birth</b>	September 26, 1951 / Schwäbisch Gmünd, BaWü
<b>Citizenship</b>	German
<b>Affiliation</b>	Chair of Advanced Mathematics and Analytical Mechanics
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<b>Field of Research</b>	Mathematics
<b>Research Areas</b>	Mathematical Theory of Dynamical Systems and its Applications (in particular Stability, Instability and Bifurcation Theory, Pattern Formation, Chaos), (Optimal) Control, Coupled and Distributed Differential and Difference Systems; Analytical and Geometric Mechanics including Continuum Mechanics
<b>Teaching</b>	Ordinary and Partial Differential Equations, Functional Analysis, Nonlinear Dynamics, Dynamical Systems, Bifurcation Theory, Hamiltonian Dynamics, Analytical and Geometric Mechanics, Mathematical Methods in Continuum Mechanics, Applied Mathematics, Mathematical Modelling in Biology and Ecology, Inverse Problems and Parameter Identification, Asymptotic Expansions, Engineering Mathematics

### Education (at the University of Stuttgart)

1970 -1974	Student of: (1) Mathematics, in particular Functional Analysis, Ordinary and Partial Differential Equations and Numerical Analysis (2) Computer Science (3) Theoretical Physics
1974	Diploma in Mathematics; Title of Thesis: "Ein Antikonvergenzprinzip"
1975	Doctorate (PhD) at the Faculty of Mathematics; Title of Thesis: "Ein selektives Iterationsverfahren und Verzweigungsprobleme" (Referees: K. Kirchgässner, E. Gekeler)
1981	Habilitation at the Faculty of Mathematics; Title of Thesis: "Verzweigung quasiperiodischer Lösungen bei reversiblen dynamischen Systemen" (Referees: K. Kirchgässner, J. Moser, P. Werner)

### Professional Career

1974 -1975	Postdoctoral Researcher, Dept. of Mechanical Engineering, University of Stuttgart
1975 -1977	Senior Researcher, Dept. of Mathematics, University of Stuttgart
1977 -1985	Assistant Professor, Dept. of Mathematics, University of Stuttgart
1985 -1987	Assoc., Full Professor, Dept. of Mathematics, Colorado State Univ., Fort Collins (USA)

- 1987 -1996 Full Professor, Chair of Theory and Applications of Partial Differential Equations, University of Hamburg
- 1988 -1990 Acting Director, Dept. of Applied Mathematics, University of Hamburg
- 1996 - pres. Full Professor and Chair at the Faculty of Mathematics, Techn. Univ of Munich
- 1996 - pres. Director, Center of Mathematics, Technical University of Munich  
(1997 –1999: Chair of the Board of Directors; 1999 –2003: Chair of the Board of Personnel; 2003 –present: Chair of the Board of Finance)
- 1996 -2008 Member of the ADPO (APSO) Committee, (General Study Program and Student Examination Committee), Technical University of Munich
- 2000 -2003 Dean, Faculty of Mathematics, Technical University of Munich
- 2011 -pres. Chairman of the Hurwitz Society to support Mathematics at the Technical University of Munich (Association of Alumni of the Faculty of Mathematics)

### **Professional Society Affiliations**

- Society for Industrial and Applied Mathematics (SIAM)
- European Mechanics Society (EUROMECH)
- Intern. Society for the Interaction of Mathematics and Mechanics (ISIMM)
- Gesellschaft für Angewandte Mathematik und Mechanik (GAMM)
- Deutsche Mathematikervereinigung (DMV)
- American Mathematical Society (AMS)
- Mathematische Gesellschaft Hamburg

### **Honors**

- 1975 Prize awarded by the Union of Friends of the University of Stuttgart for distinguished scientific achievements
- 1982 Visiting Professor, Dept. of Mathematics, Univ. of California, Berkeley (USA),
- 1983 Visiting Professor, Division of Applied Mathematics, Brown University, Providence (USA)
- 1992 Invited Lectures, Summer School, Swiss Found. of Studies, Breiten (Switzerl.)
- 1993 Invited Lectures, Summer School, ETH Zürich, Valbella (Switzerland)
- 1996 Plenary Lecture, Annual Meeting of the GAMM, Prague (Czech Republic)

### **Selected Research Grants**

- 1991 -1994 EEC Grant under the Sci. Project "Bifurcation Theory and Appl.",
- 1994 -2000 DFG Research Grants under the Priority Research Program "Ergodic Theory, Analysis, and Efficient Simulation of Dynamical Systems"
- 2000 -2004 DFG Research Grant within the Collab. Research Centre (SFB) 438 "Mathematical Modelling, Simulation and Verification in Material Oriented Processes and Intelligent Systems"
- 1998 -2006 Member of DFG-Graduate School "Applied Algorithmic Mathematics"
- 1994 -1999 NATO Collab. Research Grant (joint with Prof. J.E. Marsden, Caltech)
- 2000 -2004 Grant under the EU-RTN project "Mechanics and Symmetry in Europa (MASIE)"
- 2006 -pres. DFG Grant for the Research Project: „Mathematical Strategies for an optimised ribbing design of large forming tools“
- 2009 -pres. FVA Grant for the Research Project: „Mathematical Generation and Optimization of Arbitrary Gear Flank Geometries“

### **Editorship**

- 1987 -1995 Member of the Editorial Board of the Book Series „Dynamics Reported“
- 1994 - pres. Member of the Editorial Board of J. Nonl. Sci. and Nonl. Sci. Today
- 1997 - pres. Member of the Editorial Board of J. Appl. Math. Mech. (ZAMM)
- 2004 -2006 Contributing Editor, Intern. J. of Nonlinear Mechanics.
- 2008 - pres. Member of the Editorial Board of J. Geometric Mechanics