



Curriculum Vitae Friedrich G. Pfeiffer

1. Personal Data

February 22, 1935 born in Wiesbaden, Germany

Friedrich Pfeiffer (retired)
Prof. Dr.-Ing., Dr.-Ing.E.h., Dr.h.c.mult,
Technical University Munich
Angewandte Mechanik
Boltzmannstr. 15, D - 85748 Garching
Tel. 0049-89-289-15200 - FAX: 0049-89-289-15213
pfeiffer@amm.mw.tum.de

Private adress:
Wilhelm-Leibl-Straße 16
D-83607 Holzkirchen
Tel. 0049-8024-4350 - FAX 0049-8024-475115

2. Education

1955 school-leaving exam (Abitur) Realgymnasium am Zietenring,
Wiesbaden, award for best grade

1955-61 TH-Darmstadt, mechanical engineering, scholarship
of "Studienstiftung des Deutschen Volkes"

1961 Dipl.-Ing. mechanical engineering, TH-Darmstadt

1965 Dr.-Ing. in Aerodynamics, Institut für Flugtechnik, TH-Darmstadt
(Prof. Dr.-Ing. Günther Bock), summa cum laude,

3. Professional History

1966 Engineer at Bölkow GmbH, Ottobrunn, Space Dynamics
(liquid sloshing, satellite dynamics, centrifuge dynamics)

1968 Projectmanager Fluidics for Ballistic Missiles (thrust
vector control, control concepts for fluidics)

1969 Department-Head Space-Dynamics, 18 co-workers,
(satellite dynamics, sloshing, rotating fluids, rendezvous)

	manoeuvres, vibration problems)
1970	Department-Head Applied Mechanics in Space, 52 co-workers (theoretical mechanics and space dynamics, reentry dynamics and control, structural mechanics; Projects: COS-B, HELIOS, SYMPHONIE, METEOSAT)
1973	offer of a professorship at the new army University Hamburg (Bundeswehrhochschule Hamburg) rejected
1975	Projectmanager anti-ship guides missile (10 co-managers, 60 Mio DM)
1976	Head of the technical secretariat of Dr. Ludwig Bölkow (chairman of the board of Messerschmitt-Bölkow-Blohm, MBB)
1978	Technical manager of Bayernchemie GmbH, 350 employees, 45 Mio DM yearly turnover (research, development, production of solid propellants for guided and ballistic missiles)
1980	Member of the Board of the MBB guided missile division, responsible for research and development, 1000 co-workers, 200 Mio DM p.a. (projects: all guided and ballistic missiles of MBB)
1982	full Professor of Mechanics at the TU-München, Faculty Mechanical Engineering, as successor of Prof. Magnus
1983 - 2000	Engagement in various Committees
1992-93	Vice-Dean of the Mechanical Engineering Faculty
1993-95	Dean and Member of the Senate of the Technical University München
1995-96	Vice-Dean
1983-	Consultant to industry in the automotive and mechanical engineering area (BMW, OPEL, AUDI, Volkswagen, Porsche, Mercedes, EADS, Voith, BHS, MAN and various smaller companies)
2000	Official and formal retirement, successor Prof. Ulbrich since Nov. 2001

4. Membership in professional Societies:

ASME (fellow), IEEE (fellow), GAMM (president), VDI, DGLR, EUROMECH, IUTAM

5. Editor activities in professional journals or books:

- Chief-Editor
 - Archive of Applied Mechanics, Springer Verlag, 1996 - 2004
- Associate Editor or Co-Editor
 - Ingenieur-Archiv, Springer Verlag (until 1996)
 - Nonlinear Dynamics, Kluwer Verlag (since 1989)
 - Machine Vibration, Springer Verlag (1990 – 95)

- Chaos, American Institute of Physics (1990 – 95)
- European J. of Solid Mechanics, Gauthier Villars (1993 - 2000)
- Autonomous Robots, Kluwer Verlag (1993 – 97)
- Journal of Vibration and Control, Sage (since 1995)
- Intelligent Control and Systems, World Scientific (since 1996)
- The Royal Society, A-Side Editorial Board for the Philosophical Transactions (1998 – - 2004)
- ASME Applied Mechanics Reviews (AMR), since 1995

- Book – Series LNACM (Lecture Notes on Applied and Computational Mechanics), Springer Publishing House, since 2000, since 2003 together with Prof. Wriggers, Hannover

- Book – Series Mathematical Modelling: Theory and Applications, Kluwer Publishing House, since 1997

6. Awards

- Bordoni Prize 1990, Rome (IFIP)
- Senior Member IEEE, 1991
- Körber Prize for European Science 1993
- BWM Scientific Award for best dissertation 1993
- Rudolf Schmidt-Burkhardt Award for best dissertation 1993
- FAG-Award for best dissertation 1994
- Honorary Doctor (Dr. h. c.) of the Russian Academy of Sciences (RAS), Moscow 1998
- Consulting Professor Tongji-University Shanghai (1999)
- Member ISTITUTO LOMBARDO; Academia de Scienze e Lettre, Milano, 2000
- Order of Merit FRG (Bundesverdienstkreuz am Bande) 2000
- BMW Scientific Award for best dissertation 2001
- Foreign Member of the Russian Academy of Sciences (RAS), Moscow 2003
- IEEE Fellow, 2003
- Dr.-Ing. E.h. Technische Universität Dresden, 2004
- ASME Fellow, 2004
- Badge of Honor by VDI (Verein Deutscher Ingenieure), 2004
- Bavarian Order of Merit 2006
- Dr.h.c. University Bologna, 2008

7. Publications

- more than 200 papers, 6 books, several book contributions
- up to 2004 more than 80 dissertations

8. Education

In 19 years around 20.000 students and candidates for exams,

courses in Technical Mechanics, Dynamics, Robotics and Walking, Multibody Dynamics with bilateral and unilateral constraints, Vibrations, Problems of modeling technical systems, Mechatronics