

A : Curriculum vitae**Personal Information**

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Education

1996 Habilitation (Mechanics), Civil Engineering, University Hannover, Germany
 1992 Dr.-Ing. (with distinction), Civil Engineering, University Karlsruhe, Germany
 1988 Dipl.-Ing (with distinction), Civil Engineering, University Hannover, Germany

Current Position

2007 – Full Professor (W3), Chair of Applied Mechanics
 Mechanical Engineering, FAU, Germany

Previous Positions

1997 – 2007 Full Professor (C4), Chair of Applied Mechanics
 Mechanical Engineering, University Kaiserslautern, Germany
 1995 – 1997 Assistant Professor (C2), Institute for Structural and Numerical Mechanics
 Civil Engineering, University Hannover, Germany
 1992 – 1995 Postdoctoral Researcher, Institute for Structural and Numerical Mechanics
 Civil Engineering, University Hannover, Germany
 1988 – 1992 Doctoral Researcher, Institute for Mechanics
 Civil Engineering, University Karlsruhe, Germany

Fellowships and Awards

2012 Offer of Full Professorship, Applied Mechanics, RWTH Aachen, Germany (declined)
 2011 ERC Advanced Grant MOCOPLY (AdG2011: 289049, expires March 2017)
 2007 Timoshenko Visiting Scholar Award, Stanford University
 2006 Fellow Award, European Mechanics Society (EUROMECH)
 2006 Fellow Award, International Association for Computational Mechanics (IACM)

Supervision of Graduate Students and Postdoctoral Fellows

1997 –	32+22	Doctorates	supervision	completed+ongoing	(a&b)
	42	Doctorates		externally reviewed	(c)
	12+4	Postdocs	supervision	completed+ongoing	(a&b)
	4	Habilitations	mentoring	completed	(a&b)
	2	Habilitations	mentoring	ongoing	(a)
	4	Habilitations		externally reviewed	(c)

Teaching Activities (Selection)

2011 On the Roots of Continuum Mechanics in Differential Geometry
 In: Generalised Continua: From the Theory to Engineering Applications
 Advanced School, International Centre for Mechanical Sciences (CISM), Udine, Italy
 2009 Formulation and Computation of Electro-Elasticity
 In: Mechanics and Electrodynamics of Magneto- and Electro-Elastic Materials
 Advanced School, International Centre for Mechanical Sciences (CISM), Udine, Italy
 1997 – Ba/MSc Courses: Engineering Mechanics, Continuum Mechanics, FE-Method (a&b)
 Advanced Short Courses: Constitutive Modelling, Continuum Mechanics (c)

(a) Mechanical Engineering, FAU, Germany
 (b) Mechanical Engineering, University Kaiserslautern, Germany
 (c) Various National and International Universities

Research Areas (documented in ~345 Publications listed in SCOPUS & >200 Presentations)

Nonlinear Continuum Mechanics; Computational Mechanics/Dynamics; Multi-Physics Modelling; Configurational/Failure/Fracture Mechanics; Material/Multi-Scale Modelling/Homogenisation

Research Stays Abroad (from 1 to 6 Months)

UPC Barcelona, Spain; ENS Cachan/Paris, France; La Sapienza Rome, Italy; IPPT Warsaw, Poland; AUT Thessaloniki, Greece; UCT Cape Town, South Africa

Organisation of Scientific Meetings (Selection)

- 2017 ECCOMAS Thematic Conference: Complex Materials across the Scales
Paris, France, Co-Organiser
- 2017 ECCOMAS Thematic Conference: Simulation for Additive Manufacturing
Munich, Germany, Co-Organiser
- 2014 Annual Meeting Int. Association for Applied Mathematics & Mechanics (GAMM)
Erlangen, Germany, Principal Organiser, > 1000 Participants
- 2011 EUROMECH Colloquium 552: Trends in Optimisation of Comp. Solid Mechanics
Erlangen, Germany, Principal Organiser
- 2008 IUTAM Symposium: Progress in Theory and Numerics of Configurational Mechanics
Erlangen, Germany, Principal Organiser
- 2003 EUROMECH Colloquium 445: Mechanics of Material Forces
Kaiserslautern, Germany, Principal Organiser
- 1997 – Numerous Organisations of Minisymposia, Workshops, Sections, etc.
@International Congresses, Conferences, Meetings, etc.
- 1997 – Numerous Memberships in Scientific and Advisory Committees, etc.
@International Congresses, Conferences, Meetings, etc.

Institutional Responsibilities

- 2015 – Member of University Council, FAU
- 2015 – Senator, FAU
- 2009 – 2011 Vice-Dean, Technical School, FAU
- 2009 – 2011 Spokesman, Mechanical Engineering Department, FAU
- 2005 – 2007 Vice-Dean, Mechanical Engineering Faculty, University Kaiserslautern
- 2003 – 2005 Senator, University Kaiserslautern
- 2003 – 2005 Dean, Mechanical Engineering Faculty, University Kaiserslautern
- 2001 – 2003 Vice-Dean, Mechanical Engineering Faculty, University Kaiserslautern

Commissions of Trust

- 2004 – 2017 Member, ECCOMAS Managing Board
- 2007 – 2016 Member, EUROMECH Mechanics of Materials Conference Committee
- 2004 – 2013 Member, IACM General Council
- 2003 – 2011 Secretary, President, Vice-President, German Committee for Mechanics
- 2004 – 2007 Spokesman
Research Unit 524 (DFG) Hybrid Lightweight Structures
- 2002 – 2007 Vice Spokesman
Research Training Group 814 (DFG) Engineering Materials at Multiple Scales
- 2005 – 2007 Vice Spokesman
International Research Training Group 1131 (DFG) Visualisation of Large Data Sets
- 2001 – 2007 Member, Grants Committee on RTGs, German Science Foundation
- 2002 – 2007 Member, Grants Committee VIGONI, German Academic Exchange Service
- 2001 – 2004 Member, Grants Committee PHD, German Academic Exchange Service
- 1997 – Reviewer of Scientific Proposals for International Funding Agencies:
ERC (EU), DFG (DE), AvH (DE), STW (NL), GIF (IL), FWF (AT), NRF (SA), etc.

Memberships of Scientific Societies

- GAMM International Association for Applied Mathematics and Mechanics
- GACM German Association for Computational Mechanics
- EUROMECH European Mechanics Society
- MEMOCS International Research Centre on Mathematics and Mechanics of Complex Systems