

CURRICULUM VITAE

Prof. Dr.-Ing. Stefan M. Kurz
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Personal Data

Date and place of birth January 7, 1966; Ludwigsburg, Germany
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stefan.kurz@gmx.de
Citizenship German
Marital Status Married, three children

Professional Experience

Since November 2017 University of Jyväskylä, Jyväskylä, Finland
Docent for Electromagnetism and Mathematical Modelling

Since July 2015 Technische Universität Darmstadt, Darmstadt, Germany
Graduate School of Computational Engineering
Collaborative full professor (25% W3) for Finite Methods of
Electrodynamics

Since April 2015 Tampere University of Technology, Tampere, Finland
Adjunct professor in the area of Electromagnetism and Mathe-
matical Modelling

Since June 2014 Robert Bosch GmbH, Renningen, Germany
Division of Research and Advance Development
Expert Vice President for Strategies and Technologies for Mod-
elling and Simulation (80% part time)

2010 – 2014 Tampere University of Technology, Tampere, Finland
Professor and Research Director at the Department of Electron-
ics, Electromagnetics, on the basis of a “Finland Distinguished
Professor (FiDiPro)” grant. Research project “Advanced Elec-
tromagnetic Modeling and Simulation for Engineering”
Robert Bosch GmbH, Gerlingen-Schillerhöhe
Division of Research and Advance Development
Chief Expert for Electromagnetic Modeling and Simulation
(10% part time, secondary employment)

2006 – 2010 ETAS GmbH, Stuttgart
Vice President of Strategic Marketing, 30 employees
Research on selected scientific problems in relativistic electro-
dynamics

2009 Lecture series “Relativistic Electrodynamics - Modelling and
Simulation” at ETH Zürich during autumn semester 2009/2010,
as a guest member of the Seminar for Applied Mathematics

2004 – 2006	Robert Bosch GmbH, Frankfurt Director of the Software Department, Division of Research and Advance Development, 40 employees
2003 – 2004	University of the German Federal Armed Forces, Hamburg Full Professor of Electromagnetic Theory and Numerical Field Computation
2000	Saarland University Lecturer in Theoretical Electrical Engineering (secondary employment)
1999 – 2003	Robert Bosch GmbH, Gerlingen-Schillerhöhe Electronic Department, Division of Research and Advance Development, Modeling and Design Group Technical Specialist and Senior Manager
1998 – 1999	Establishment of H&K Scientific Consulting Scientific Advisor (50%) Institute for Theory of Electrical Engineering, Stuttgart University Project Associate (50%, funded by German Research Foundation)
1994 – 1996	Graduate School of Technology “Dr.-Ing. Teuber”, Stuttgart Lecturer in Electrical Power Engineering (part time)
1993 – 1998	Institute for Theory of Electrical Engineering, Stuttgart University Research Assistant
1985 – 1987	Civil service with the “Diakonisches Werk” of the Evangelical Church in Germany

Education

- Ph.D. in Electrical Engineering, *summa cum laude*, Stuttgart University, 1998
Topic: “Numerical Analysis of Electromechanical Systems Based on Coupling of Finite Elements and Boundary Elements”
- Manager Development Programs 1 (2004) and 2 (2008), Robert Bosch GmbH
- Diploma in Electrical Engineering, *with honors*, Stuttgart University, 1993
Emphasis on power electronics and control engineering
- Abitur (grade 1,0 - excellent), Mörike High School, Ludwigsburg, 1985

Professional Activities

- 2016: Appointment as a member of the Scientific Advisory Board of the Weierstrass Institute, Berlin
- Since 2014: Referee for the German-Israeli Foundation for Scientific Research and Development
- Guest Editor for *IEEE Transactions on Magnetics* in 2013

- Referee for several international journals: *COMPEL*, *IEEE Transactions on Magnetics*, *Inverse Problems in Science and Engineering*, *Journal of Mathematical Analysis and Applications*, *IET Science, Measurement & Technology*, *Journal of Mathematical Physics*. Reviewer for *Mathematical Reviews* (since 2014)
- Since 2012: Evaluator for the *National Agency for the Evaluation of Universities and Research Institutes*, Italy as well as for the *Research Council* of KU Leuven, Belgium
- Memberships in Conference Editorial Boards of several *Compumag* and *CEFC* International Conferences
- Member of the German Council of *U.R.S.I.* (Union Radio-Scientifique Internationale)
- Chairman of the Editorial Board for *Compumag 2007* International Conference
- Several invitations (2004, 2007, 2010, 2013) to “Mathematisches Forschungsinstitut Oberwolfach”
- Active participation in more than 30 international conferences. About 40 invited talks and seminars.
- Co-supervisor / Examiner of several PhD students

Honors and Awards

2008 and 2006	Highly Commended Award, Emerald Group Publishing, for papers published in <i>COMPEL</i>
2001	Best paper award of the Association for Electrical, Electronic and Information Technologies (VDE), Germany, for paper published in <i>Electrical Engineering</i>
1998	Anton and Klara Röser Award for scientific achievement in electrical engineering, Stuttgart University
1992	Study Award of the SEW EURODRIVE foundation
1992	Scholarship from the Richard Hirschmann Foundation, Stuttgart University
1990 – 1993	Scholarship from the German National Academic Foundation

Publications

- 54 refereed papers, amongst others in *COMPEL*, *Computational Mechanics*, *Electrical Engineering*, *IEEE Transactions on Applied Superconductivity*, *IEEE Transactions on Energy Conversion*, *IEEE Transactions on Magnetics*, *Journal of Computational and Applied Mathematics*, *Journal of Physics A: Mathematical and Theoretical*, *Mathematics of Computation*.
- 51 papers in conference proceedings; co-editor of one journal special issue. Google Scholar, 01.10.2018: h-Index 16, 1.034 citations

Language Skills German (native), English (high fluency), French (good basic skills)