Short Curriculum Vitae — Jörg-M. Sautter

joerg.sautter@h-ab.de
na.math.kit.edu/sautter

Professional Experience

2009 – present	Professor of Applied Mathematics, University of Applied Sciences Aschaffenburg
2006 – 2009	Senior Application Engineer at The MathWorks
2006 – 2009	Lecturer at the University of Applied Sciences Esslingen
2004 – 2006	Scientist, DFG Transregio 18 Research Project on Rel. Laser-Plasma Physics
2000 – 2004	Scientific Assistant, Dept. of Mathematics, University of Düsseldorf
1999 – 2000	Scientific Assistant, Dept. of Appl. Math, Univ. of Colorado at Boulder
1998 – 1999	Scientific Assistant, Dept. of Mathematics, University of Düsseldorf

Education

2004	Ph.D., Mathematics, University of Düsseldorf
1999	M.Sc. in Physics and Mathematics, University of Tübingen
1997	M.Sc. in Mathematics, University of Massachusetts at Amherst

Scientific Interests

- **Scientific Computing:**
  - finite elements, fast solvers, time integrators
  - fluid dynamics
  - computational finance
- **Scientific Software:** expert knowledge in
  - MATLAB, Simulink, Comsol Multiphysics, Maple, Mathematica
- **Industrial Applications**

Teaching

- **University of Applied Sciences Aschaffenburg**, 2009 – present
  WS 10: Mathematics II
  Applied Computer Science II
  Numerical Analysis
  WS 09: Mathematics I
  Applied Computer Science I
  Numerical Analysis

- **University of Applied Sciences Esslingen**, 2006 – 2009
  SS 09: Mathematics Laboratory for Automotive Engineers
  Precalculus for Automotive Engineers
  WS 08: Mathematics Laboratory for Automotive Engineers
  SS 08: Mathematics Laboratory for Automotive Engineers
  Introduction to Calculus for Technical Economics and Information Management
  WS 07: Mathematics Laboratory for Automotive Engineers
  SS 07: Mathematics Laboratory for Automotive Engineers
  WS 06: Introduction to Calculus for Software Engineers

Recitation sections:

- **University of Düsseldorf**, 2000 – 2004
  Introduction to Numerical Analysis
  Numerical Linear Algebra
  Numerical Analysis of Ordinary Differential Equations
  Numerical Analysis of Partial Differential Equations
  MATLAB in Teaching and Science I & II
  Linear Algebra with MATLAB
  Analysis with Maple
  MATLAB Programming Course

- **Universitity of Colorado at Boulder**, 1999 – 2000
  Calculus II & III for Engineers
  Mathematica Computer Lab II & III

- **University of Kaiserslautern**, 1999
  Summer School on Numerical Linear Algebra

- **University of Tübingen**, 1997 – 98
  Numerical Analysis I & II

- **University of Massachusetts at Amherst**, 1996
  Calculus I & II for Engineers