

Curriculum Vitae

- Personal Data
 - Name: Dr. Matthias Bode
 - Born: 09th of June 1967 in Alfeld/Leine
 - Email: bode@physik.uni-wuerzburg.de
 - Internet: <http://www.physik.uni-wuerzburg.de>
- Employment
 - since 07/2011 Professor in Experimental Physics (University of Würzburg, Germany);
 - 03/2007–06/2010 Leader of the “Electronic and Magnetic Materials & Devices Group” at the Center for Nanoscale Materials (Argonne National Laboratory, Illinois, USA);
 - 06/1996–03/2007 Senior Scientist at the Microstructure Research Centre of the University of Hamburg in the research group of Prof. Dr. R. Wiesendanger; leader of the group “Nanomagnetism”
- Research Interests and Experience
 - Surface science and magnetism, investigation of the correlation of structural, electronic and magnetic properties of ultrathin films, spin-polarized scanning tunneling spectroscopy,
- Habilitation
 - 01/2003 Degree: Habilitation in Experimental Physics
- Ph. D. Thesis
 - 06/1993 – 06/1996 Ph. D. Thesis at the University of Hamburg in the research group of Prof. Dr. R. Wiesendanger
Topic: “Structural and Local Electronic Properties of ultrathin Fe-films on W(110)”
 - 06/1996 Degree: Dr. rer. nat., Grade: summa cum laude
 - 06/1993 Degree: Dipl.–Phys., (Grade 2.0)
- University Education
 - 03/1992 – 06/1993 Diploma Thesis at the Free University of Berlin in the research group of Prof. Dr. J. Kirschner (Institute of Experimental Physics)
Topic: “Two-Electron Coincidence-Spectroscopy of Scattering Events at the W(001)-Surface”
 - SS 1990 – SS 1993 Studies of Physics at the Free University of Berlin
Minor Subject: Chemistry
 - WS 1987 – WS 1989 Studies of Physics at the Technical University of Braunschweig
Minor Subjects: Mathematics, Chemistry
 - Presentations: more than 100 talks at seminars and national and international conferences

	Publications:	over 100 peer-reviewed articles in international scientific journals
• Selected Publications	Phys. Rev. Lett.	104 , 217601 (2010): <i>Polarization-Modulated Rectification at Ferroelectric Surfaces</i>
	Phys. Rev. Lett.	103 , 167201 (2010): <i>Temperature and Size Dependence of Antiferromagnetism in Mn Nanostructures</i>
	Phys. Rev. B	77 , 233409 (2008): <i>Surface state vs orbital Kondo resonance at Cr(001): Arguments for a surface state interpretation</i>
	Science	317 , 1537 (2007): <i>Current-Induced Magnetization Switching with a Spin-Polarized Scanning Tunneling Microscope</i>
	Nature	447 , 190 (2007): <i>Chiral magnetic order at surfaces driven by inversion asymmetry</i>
	Nature Materials	5 , 477 (2006): <i>Atomic spin structure of antiferromagnetic domain walls</i>
	Phys. Rev. Lett.	94 , 087204 (2005): <i>Revealing Antiferromagnetic Order of the Fe Monolayer on W(001): Spin-Polarized Scanning Tunneling Microscopy and First-Principles Calculations</i>
	Phys. Rev. Lett.	92 , 067201 (2004): <i>Shape-Dependent Thermal Switching Behavior of Superparamagnetic Nanoislands</i>
	Rep. Prog. Phys.	66 , 523 (2003): <i>Spin-Polarized Scanning Tunneling Microscopy</i>
	• Awards	
		Philip-Morris Research Award 2003
		IEEE Magnetic Society Distinguished Lecturer 2007
• Interests		soccer, politics, classical music

Würzburg, February 2, 2011