

Conference Contributions

MATTHIAS BODE

July 20, 2008

INVITED TALKS

- 17.07.1997 1st International Conference on Scanning Probe Spectroscopy, Posnan (Poland): *Scanning Tunneling Spectroscopy of Thin Metal Films on W(110): Correlation of Structural and Local Electronic Properties*
- 12.11.1997 KEMIA'97, Helsinki (Finland): *Recent Developments in SPM Techniques*
- 17.03.1998 190. WE-Heraeus-Seminar on Local-Moment Systems, Wandlitz (Germany): *Temperature-Dependent Scanning Microscopy and Spectroscopy of Gd Layers on W(110)*.
- 22.04.1998 Workshop on Science and Technology of Nanostructures, Weizmann-Institute Rehovot (Israel): *Recent Developments on Scanning Probe Microscopy and Spectroscopy of Thin Magnetic Films*.
- 25.03.1999 Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Münster (Germany): *Spin-polarisiertes Vakuumtunneln in den Oberflächenzustand von Gd(0001)*
- 19.07.1999 10th International Conference on Scanning Tunneling Microscopy/Spectroscopy and Related Techniques, Seoul (Korea): *Spin-polarized Vacuum Tunneling into the Exchange-Split Surface State of Gd(0001)*
- 13.04.2000 International Symposium on Physical Properties of Structured Thin Metallic Films, FU Berlin (Germany): *Domain-Imaging of Nanostructured Magnetic Thin Films*
- 13.05.2000 ESF Workshop on Magnetic Imaging of Nanostructures, Regensburg (Germany): *Imaging of Nanostructured Thin Films by Spin-Polarized STM*
- 20.07.2000 2nd International Conference on Scanning Probe Spectroscopy, Hamburg (Germany): *Spin-Polarized STM/STS on Magnetic Thin Films*
- 26.07.2000 4th International School on the Applications of Surface Science Techniques, Erice (Italy): *Nano-Scale Surface Magnetism Studied by Spin-Polarized STM*

- 11.08.2000 8th International Conference on Electronic Spectroscopy, Berkeley (USA): *Atomic-Scale Magnetic Imaging of Ultrathin Films by Scanning Tunneling Microscopy and Spectroscopy*
- 19.12.2000 Condensed Matter & Materials Physics Conference 2000, Bristol (Great Britain): *Atomic-Resolution Imaging of Surface Spin-Structures by Spin-Polarized Scanning Tunneling Microscopy*
- 27.03.2001 65. Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Hamburg (Germany): *Spin-polarisierte Rastertunnelmikroskopie*
- 24.06.2001 4th International Symposium on Metallic Multilayers, Aachen (Germany): *Imaging Antiferromagnetic Surface Spin-Structures by Spin-Polarized STM*
- 18.10.2001 3rd International Conference on Physics of Low-Dimensional Structures, Chernogolovka (Russia): *Imaging Magnetic Nanostructures by Spin-Polarized Scanning Tunneling Microscopy*
- 01.11.2001 48th Intl. Symposium of the American Vacuum Society, San Francisco (USA): *Domain Imaging of Magnetic Nanostructures by Spin-Polarized Scanning Tunneling Microscopy*
- 08.01.2002 190. WE–Heraeus-Seminar on Magnetism on the Sub-Micrometer Scale: Interactions and Microscopy, Bad Honnef (Germany): *Magnetism under the Spin-Polarized Scanning Tunneling Microscope*
- 01.05.2002 InterMag Europe 2002, Amsterdam (Netherlands): *Imaging Magnetic Domains with Sub-Nanometer Resolution using Spin-Polarized STM*
- 06.05.2002 8th Magneto-Optical Recording International Symposium (MORIS), Benodet (France): *Imaging Magnetic Domains with Sub-Nanometer Resolution*
- 14.05.2002 Gordon Research Conference on Magnetic Nanostructures, Il Ciocco (Italy): *Frontiers of Nanomagnetism Explored by Spin-Polarized STM*
- 12.06.2002 281. WE–Heraeus-Seminar on Spin-Orbit Interactions and Local Structure in Magnetic Systems with Reduced Dimensions, Wandlitz (Germany): *Spin-Orbit Effects on Fe/W(110) Revealed by Scanning Tunneling Spectroscopy*
- 24.06.2002 Joint 7th International Conference on Nanometer-Scale Science and Technology and 21st European Conference on Surface Science, Malmö (Sweden): *Spin-Polarized Scanning Tunneling Microscopy*
- 06.07.2002 Symposium Latsis on Spin Injection Induced Magnetization Reversal, Lausanne (Switzerland): *Spin-polarized STM*

- 10.09.2002 Discussion Meeting on Magnetism at the Spatial Limit of the Max-Planck-Gesellschaft, Schloss Ringberg (Germany): *Spin-polarized STM: Imaging of Magnetic Nanostructures with Sub-Nanometer Resolution*
- 27.09.2002 III. Congreso Español de Microscopía de Fuerzas y Efecto Túnel, Zamora (Spain): *Imaging Surface Magnetic Structures by Spin-Polarized STM*
- 30.10.2002 Satellite Workshop on Properties of Magnetic Nanostructures, Trieste (Italy): *Imaging Magnetic Nanostructures by Spin Polarized STM*
- 03.12.2002 Fall Meeting of the Material Research Society, Boston (USA): *Frontiers of Nanomagnetism Explored by Spin-Polarized STM*
- 09.07.2003 SFB 513 Workshop 2003 & Krupp-Symposium, Konstanz (Germany): *Spin-polarized STM: New Insight in the Magnetism of Nanostructures*
- 26.08.2003 The Applied Statistical Physics and Molecular Engineering Conference, Puerto Vallarta (Mexico): *Imaging Surface Magnetic Structures by Spin-Polarized STM*
- 05.09.2003 Leopoldina Symposium: From Nanoscience to Nanotechnology, Karlsruhe (Germany): *Exploring the Frontiers of Nanomagnetism by Spin-Polarized STM*
- 08.10.2003 4th International Symposium on Atomic Level Characterizations for New Materials and Devices, Lihue/Hawaii (USA): *Imaging magnetic nanostructures by spin-polarized STM*
- 22.10.2003 International Workshop on Microspectroscopy of Quantum, Magnetic and Biological Nanostructures, Osaka (Japan): *Imaging of Nanoscale Magnetic Structures with Spin-Resolved STM*
- 08.03.2004 68. Frühjahrstagung der Deutschen Physikalischen Gesellschaft (DPG), Regensburg (Germany): *Spin-Polarized Scanning Tunneling Microscopy: From Nanomagnetism to the Spin-Resolved Bandstructure*
- 28.05.2004 3rd International Workshop on Surface, Interface and Thin Film Physics, Shanghai (China): *Spin-Polarized Scanning Tunneling Microscopy: From Nanomagnetism to the Spin-Resolved Bandstructure*
- 02.08.2004 Microscopy and Microanalysis 2004, Savannah (USA): *Recent Progress in Spin-Polarized Scanning Tunneling Microscopy*
- 10.11.2004 49th Conference on Magnetism and Magnetic Materials, Jacksonville (USA): *Thermal Switching Behavior of Superparamagnetic Nanoislands: Imaging and Manipulation by SP-STM*
- 15.11.2004 51st Intl. Symposium of the American Vacuum Society , Anaheim (USA): *Spin-Polarized Scanning Tunneling Microscopy: Acievements and Perspectives*

- 06.12.2004 Sanken International Symposium on Scientific and Industrial Nanotechnology 2004 (SISSIN-2004), Osaka (Japan): *Imaging the Magnetic Nanoworld by Spin-Polarized Scanning Tunneling Microscopy*
- 05.07.2005 International Conference on Materials for Advanced Technologies (ICMAT2005), Singapore (Singapore): *Exploring the Frontiers of Nanomagnetism by Spin-Polarized STM*
- 25.09.2005 International Symposium on Magnetic Materials and Applications (ISAMT), Taipei (Taiwan): *Recent Progress in Spin-Polarized Scanning Tunneling Microscopy*
- 30.10.2005 50th Magnetism and Magnetic Materials Conference (MMM), San Jose (USA): *Spin-Polarized Scanning Tunneling Microscopy: Magnetic Imaging with Atomic Resolution*
- 14.11.2005 4th International Symposium on Surface Science and Nanotechnology, Saitama (Japan): *Spin-Polarized Scanning Tunneling Microscopy: Magnetic Imaging with Atomic Resolution*
- 28.06.2006 3rd Joint European Magnetic Symposia (JEMS), San Sebastian (Spain): *Recent Progress in Spin-Polarized STM: Imaging of non-collinear spin structures in monolayer films*
- 10.07.2006 Ultrasmooth Summer School, Durham (United Kingdom): *Probe Microscopies*
- 25.07.2006 4th International Conference on Scanning Probe Spectroscopy (SPS'06) and 1st International Workshop on Spin-Polarized Scanning Tunneling Microscopy (SPSTM-1), Hamburg (Germany): *On the Spin-Structure of antiferromagnetic phase domain walls*
- 01.08.2006 Microscopy and Microanalysis 2006, Chicago, Illinois (USA): *Spin-Polarized STM—Imaging Magnetic Nanostructures with Atomic Resolution*
- 17.08.2006 19th International Colloquium on Magnetic Films and Surfaces (ICMFS2006), Sendai (Japan): *Imaging Non-Collinear Spin Structures with Spin-Polarized STM*
- 07.09.2006 Gordon Conference on Magnetic Nanostructures, Oxford (United Kingdom): *Imaging non-collinear spin structures on the atomic scale*
- 29.09.2006 Scanning Probe Microscopies & Organic Materials XV, Dresden (Germany): *Atomic-scale imaging of surface spin structures with spin-polarized STM*
- 08.11.2006 International Conference on Solid Films and Surfaces, Bariloche (Argentina): *Imaging non-collinear spin structures on the atomic scale by spin-polarized STM*
- 04.01.2006 381. Wilhelm and Else Heraeus Seminar on Spin-Polarized Currents in Magnetic Nanostructures, Bad Honnef (Germany): *Static and Dynamic Properties of Complex Magnetic Structures*
- 03.06.2007 France - U.S. Nanoscience Workshop, Argonne (USA): *Imaging Magnetic Nanostructures with Atomic Resolution*

- 02.07.2007 International Conference on Nano Science and Technology (ICN+T 2007), Stockholm (Sweden): *Imaging complex atomic-scale spin structures by spin-polarized STM*
- 28.03.2008 Wohlfarth Lecture at the Condensed Matter & Materials Physics Conference 2008, London (Great Britain): *Imaging magnetic surfaces with atomic resolution*
- 03.06.2008 Nano IMPRS Summer School on Advances in Science and Technology of Nanostructures, Halle/Saale (Germany): *Spin-Polarized STM: Imaging Magnetic Surfaces with Atomic Resolution*
- 11.06.2008 Conference on Precision Electromagnetic Measurements, Denver (USA): *Spin-Polarized STM: Imaging Magnetic Nanostructures with Atomic Resolution*

IEEE LECTURES 2007

- 12.01.2007 NIST, Gaithersburg (USA)
- 15.01.2007 MINT/University of Alabama, Tuscaloosa (USA)
- 16.01.2007 Carnegie Mellon University, Pittsburgh (USA)
- 17.01.2007 Seagate Research Center, Pittsburgh (USA)
- 25.06.2007 IEEE IMAGINE Conference 2007, Gaithersburg (USA)
- 27.06.2007 Seminaire Jean Souletie, Grenoble (France)
- 29.06.2007 Summer School "Nanosciences Ile-de-France", Domaine du Tremblay (France)
- 09.07.2007 Solid State Physics Group Colloquia, Glasgow (United Kingdom)
- 09.07.2007 IEEE meeting, Manchester (United Kingdom)
- 17.09.2007 University of Minnesota, Minneapolis (USA)
- 19.09.2007 Johns Hopkins University, Baltimore (USA)
- 15.10.2007 University of California San Diego, San Diego (USA)
- 16.10.2007 Santa Clara IEEE chapter, San Jose (USA)
- 17.10.2007 Hitachi, San Jose (USA)
- 29.10.2007 Gakushuin University, Tokyo (Japan)
- 30.10.2007 Tohoku University, Sendai (Japan)

- 01.11.2007 National Taiwan University, Taipei (Taiwan)
- 02.11.2007 Academia Sinica, Taipei (Taiwan)
- 05.11.2007 National University of Singapore (Singapore)
- 06.11.2007 Data Storage Institute (Singapore)
- 26.11.2007 Colorado State University, Fort Collins (USA)
- 27.11.2007 NIST, Boulder (USA)
- 28.11.2007 Univ. of Colorado, Colorado Springs (USA)

COLLOQUIA

- 18.10.2000 Allgemeines Physikalisches Kolloquium, Universität Münster (Germany): *Spinpolarisierte Rastertunnelmikroskopie: Visualisierung magnetischer Domänen mit atomarer Auflösung*
- 14.11.2000 Kolloquium zur Physik der kondensierten Materie, Universität Ulm (Germany): *Spinpolarisierte Rastertunnelmikroskopie: Visualisierung magnetischer Domänen mit atomarer Auflösung*
- 07.11.2001 Colloquia Series at the Georgia Institute of Technologie, Atlanta (USA): *Imaging Magnetic Nanostructures by Spin-Polarized STM*
- 03.06.2002 Physikalisches Kolloquium, Universität Regensburg (Germany): *Spinpolarisierte Tunnelmikroskopie: magnetische Abbildung mit atomarer Auflösung*
- 31.01.2003 Kolloquium des Institut für Festkörperforschung am Forschungszentrum Jülich (Germany): *Spinpolarisierte Rastertunnelmikroskopie: Abbildung magnetischer Nanostrukturen mit atomarer Auflösung*
- 12.11.2004 Colloquium of the Physics Department at Ohio University, Athens (USA): *Exploring the Frontiers of Nanomagnetism by Spin-Polarized STM*
- 18.01.2005 Physikalische Kolloquium des SFB569, Universität Ulm (Germany): *Exploring the Frontiers of Nanomagnetism by Spin-Polarized STM*
- 02.05.2005 Physikalische Kolloquium, Ruhr-Universität Bochum (Germany): *Spinpolarisierte Rastertunnelmikroskopie: Abbildung magnetischer Nanostrukturen mit atomarer Auflösung*
- 05.07.2007 Colloquium on Solid State Physics, Technische Universität München (Germany): *Imaging magnetic nanostructures with atomic resolution*

18.04.2008 College of William and Mary, Williamsburg (USA): *Imaging Magnetic Surfaces with Atomic Resolution*

CONTRIBUTED TALKS

31.03.1993 13th General Conference of the Condensed Matter Division of the European Physical Society, Regensburg (Germany): *Electron Coincidence Spectroscopy of Scattering Events at Surfaces*

24.07.1995 8th International Conference on Scanning Tunneling Microscopy/Spectroscopy and Related Techniques, Snowmass Village (USA): *STM Study of Carbon-Induced Reconstructions on W(110): Strong Evidence for a Surface Lattice Deformation*

26.07.1995 8th International Conference on Scanning Tunneling Microscopy/Spectroscopy and Related Techniques, Snowmass Village (USA): *Imaging and Tunneling Spectroscopy of Individual Fe Adatoms, Clusters, and Ultrathin Films by UHV-STM at 300 K*

04.01.1996 Dreikönigstreffen, Bad Honnef (Germany): *Atomic and Local Electronic Structure of Thin Fe Films on W(110) Studied by Scanning Tunneling Microscopy/Spectroscopy*

25.03.1996 60. Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Regensburg (Germany): *Korrelation nanostruktureller und lokaler elektronischer Eigenschaften von Fe/W(110) mittels RTS*

08.05.1996 Omicron User Meeting, Taunusstein (Germany): *Korrelation struktureller und lokaler elektronischer Eigenschaften von Fe/W(110) mittels RTS*

17.10.1996 43th Intl. Symposium of the American Vacuum Society, Pennsylvania (USA): *Atomic and Local Electronic Structure of Thin Fe Films on W(110) Studied by Scanning Tunneling Microscopy/Spectroscopy*

21.07.1997 9th International Conference on Scanning Tunneling Microscopy/Spectroscopy and Related Techniques, Hamburg (Germany): *Temperature-Dependent Exchange Splitting of Gd(0001) Surface States Studied by Scanning Tunneling Spectroscopy*

23.03.1998 62. Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Regensburg (Germany): *Rastertunnelspektroskopie von Gd(0001) mit Fe-Spitzen: Modellfall für spinpolarisiertes Tunneln*

02.09.1998 5th International Conference on Nanometer-Scale Science and Technology, Birmingham (Great Britain): *From Gd to Ordered GdFe Alloys.*

03.09.1998 5th International Conference on Nanometer-Scale Science and Technology, Birmingham (Great Britain): *Vizualization of the Adsorption Process of Hydrogen on Gadolinium.*

- 03.09.1998 5th International Conference on Nanometer-Scale Science and Technology, Birmingham (Great Britain): *Scanning Tunneling Spectroscopy of Gd(0001) using Fe-coated Tips: the Model Case of Spin-Polarized Tunneling.*
- 02.11.1998 45th Intl. Symposium of the American Vacuum Society, Baltimore (USA): *Visualization of Heterogeneously Catalytic Processes.*
- 12.11.1998 43rd Annual Conference on Magnetism & Magnetic Materials Miami (USA): *Temperature-Dependence of the Exchange Splitting of the Gd(0001) Surface State: a Scanning Tunneling Spectroscopy Study.*
- 25.03.1999 63. Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Münster (Germany): *Temperaturabhängige Austauschspaltung des Oberflächenzustandes von Tb(0001)*
- 21.07.1999 10th International Conference on Scanning Tunneling Microscopy/Spectroscopy and Related Techniques, Seoul (Korea): *Temperature-Dependent Surface Electronic Structure of a Local-Moment Magnet: Tb(0001).*
- 28.03.2000 64. Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Regensburg (Germany), *Anisotropie dünner magnetischer Spitzen an Tunnelspitzen*
- 03.07.2000 Symposium on Spin-Electronics, Halle (Germany): *Imaging of Surface Spin-Structures: Pushing the Limits*
- 03.10.2000 47th Intl. Symposium of the American Vacuum Society, Boston (USA): *Real-Space Imaging of Two-Dimensional Antiferromagnetism on the Atomic Scale*
- 29.03.2001 65. Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Hamburg (Germany): *Experimentelle Evidenz für intra-atomaren nicht-kollinearen Magnetismus an STM Sondenspitzen*
- 17.07.2001 11th International Conference on Scanning Tunneling Microscopy/Spectroscopy and Related Techniques, Vancouver (Canada): *Magnetic Properties of Fe, Gd, and Cr Thin Film Probe Tips*
- 11.03.2002 66. Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Regensburg (Germany): *Spin-polarisierte Rastertunnelmikroskopie mit antiferromagnetischen Sondenspitzen*
- 11.03.2002 66. Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Regensburg (Germany): *Direkte Beobachtung von Spin-Bahn-Kopplung mittels Rastertunnelspektroskopie*
- 14.03.2002 66. Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Regensburg (Germany): *Direkte Beobachtung des Schaltverhaltens superparamagnetischer Fe-Cluster auf Mo(110)*
- 07.11.2002 49th Intl. Symposium of the American Vacuum Society, Denver (USA): *Spin-Orbit Effects on Fe/W(110) Revealed by Scanning Tunneling Spectroscopy*

- 26.03.2002 67. Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Dresden (Germany): *Direct observation of internal spin-structure of magnetic vortex cores*
- 22.07.2003 XVIII. International Colloquium on Magnetic Films and Surfaces (ICMFS), Madrid (Spain): *Direct Imaging of Exchange Coupled and Isolated Nanoislands: Magnetism at the Thermal Stability Limit*
- 04.11.2003 50th Intl. Symposium of the American Vacuum Society , Baltimore (USA): *Imaging of Magnetic Nanoislands at the Thermal Stability Limit*
- 27.03.2006 70. Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Dresden (Germany): *Atomic Spin Structure of Antiferromagnetic Domain Walls*
- 11.03.2008 APS March meeting, New Orleans (USA): *Current-Induced Magnetization Switching with a Spin-Polarized Scanning Tunneling Microscope*
- 19.05.2008 Workshop on Electrical Nanoprobes, Brookhaven National Laboratory (USA): *The Nanoprobe at Argonne's CNM: Concept and First Experiments on the Electrical Failure Analysis in Au Nanowires*
- 17.07.2008 NSS5/SP-STM2 International Conference, Athens/OH (USA), *Structure and magnetism of ultra-thin chromium layers on W(110)*

SEMINAR TALKS

- 18.07.1996 Forschungszentrum Jülich, Jülich (Germany): *Korrelation struktureller und lokaler elektronischer Eigenschaften von Fe/W(110) mittels RTS*
- 28.10.1997 Sandia Nat. Lab., Sandia (USA): *Scanning Tunneling Spectroscopy of Thin Metal Films on W(110): Correlation of Structural and Local Electronic Properties*
- 08.11.1999 Universität Mainz (Germany): *Rastertunnelspektroskopie an dünnen magnetischen Filmen*
- 10.08.2000 Sandia Nat. Lab., Sandia (USA): *Imaging of Surface Spin-Structures: Pushing the Limits*
- 31.01.2001 Max-Planck-Institut für Festkörperforschung, Stuttgart (Germany): *Imaging of Magnetic Nanostructures by Spin-Polarized STM*
- 22.04.2001 Ben-Gurion-University of the Negev, Beer Sheva (Israel): *Correlation of Structural, Electronic and Magnetic Properties by STM/STS: Rare-Earth Metals*
- 02.05.2001 Ben-Gurion-University of the Negev, Beer Sheva (Israel): *Imaging of Surface Magnetic Structures by Spin-Polarized STM*

- 09.10.2001 Joint Research Center for Atom Technology, Tsukuba (Japan): *Recent Progress in Spin-Polarized STM*
- 05.11.2001 Arizona State University, Tempe (USA): *Imaging Magnetic Structures by Spin-Polarized STM*
- 21.01.2002 University College London, London (Great Britain): *Imaging Magnetic Nanostructures by Spin-Polarized Scanning Tunneling Microscopy*
- 23.01.2002 Cavendish Laboratory, Cambridge (Great Britain): *Imaging Magnetic Nanostructures by Spin-Polarized Scanning Tunneling Microscopy*
- 01.02.2002 Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin (Germany): *Imaging Magnetic Nanostructures by Spin-Polarized Scanning Tunneling Microscopy*
- 28.02.2002 Institut für Festkörper- und Werkstofforschung (IFW), Dresden (Germany): *Höchstauflösende Abbildung magnetischer Domänen mittels spinpolarisierter Rastertunnelmikroskopie*
- 11.06.2002 Institut für Theoretische und Angewandte Physik, Universität Stuttgart (Germany): *Frontiers of Nanomagnetism Explored by Spin-Polarized STM*
- 10.12.2002 Oak Ridge National Laboratory, Seminar of the Condensed Matter Sciences Division, Oak Ridge (USA): *Recent Progress in Magnetic Imaging by Spin-Polarized STM*
- 25.02.2003 Max-Planck-Institut für Mikrostrukturforschung, Halle (Germany): *Magnetic imaging of films and clusters by spin-polarized STM*
- 12.05.2003 I. Physikalisches Institut, Universität Göttingen (Germany): *Spinpolarisierte Rastertunnelmikroskopie: Methodik und Möglichkeiten*
- 14.10.2003 IBM Research Center, Almaden (USA): *Recent Progress in Spin-Polarized STM*
- 24.05.2004 Hong Kong University of Science & Technology, Hong Kong (China): *Spin-Polarized Scanning Tunneling Microscopy: Achievements and Perspectives*
- 30.08.2005 National Taiwan University, Teipei (Taiwan): *The many faces of magnetism in Fe nanostructures imaged by spin-polarized STM*
- 02.11.2005 Advanced Light Source, Berkeley (USA): *Imaging complex spin structures of magnetic nanostructures by spin-polarized STM*
- 28.04.2006 Center of Nanoscale Materials at Argonne National Laboratory, Chicago (USA): *Correlating Atomic Scale Structural and Magnetic Properties by Spin-Polarized STM*
- 05.05.2006 Uppsala University, Uppsala (Sweden): *The atomic spin structure of antiferromagnetic domain walls*

- 05.03.2008 University of California, Irvine (USA): *The many faces of magnetism in Fe nanostructures imaged by spin-polarized STM*
- 25.03.2008 Rutgers University, New Jersey (USA): *Imaging Magnetic Surfaces with Atomic Resolution*
- 03.04.2008 Ohio State University, Columbus (USA): *Imaging Magnetic Surfaces with Atomic Resolution*

POSTERS

- 22.07.1997 9th International Conference on Scanning Tunneling Microscopy/ Spectroscopy and Related Techniques, Hamburg (Germany): *Nanostructural and Local Electronic Properties of Fe/W(110): Scanning Tunneling Spectroscopy and ab-initio Calculations*
- 21.10.1997 44th Intl. Symposium of the American Vacuum Society, San Jose (USA): *Variable-Temperature Scanning Tunneling Spectroscopy of Gd(0001) Surface States*
- 02.09.1998 5th International Conference on Nanometer-Scale Science and Technology, Birmingham (Great Britain): *Growth of Ultrathin Mn Films on W(110)*
- 05.11.1998 45th Intl. Symposium of the American Vacuum Society, Baltimore (USA): *Growth of Ultrathin Mn Films on W(110)*
- 04.01.1999 211. WE-Heraeus Seminar on NanoMagnetic Structures, Bad Honnef (Germany): *Electronic Properties of Rare-Earth Metal (0001) Surfaces and their Relevance for the Development of Spin-Polarized Scanning Tunneling Microscopy*
- 05.01.2000 228. WE-Heraeus-Seminar on Metal-Nonmetal Structures for Magnetoelectronics, Bad Honnef (Germany): *Real-Space Observation of Dipolar Antiferromagnetism in Magnetic Nanowires by Spin-Polarized Scanning Tunneling Spectroscopy*
- 14.02.2000 3rd Gordon Research Conference on Magnetic Nanostructures, Ventura (USA): *Real-Space Observation of Dipolar Antiferromagnetism in Magnetic Nanowires by Spin-Polarized Scanning Tunneling Microscopy*
- 05.01.2001 248. WE-Heraeus-Seminar on Spin Dynamics, Bad Honnef (Germany): *Visualization of Magnetic Hysteresis in Fe-Nanowires by Spin-Polarized Scanning Tunneling Spectroscopy*
- 07.01.2003 294. WE-Heraeus-Seminar on Frontiers in Nanomagnetism, Bad Honnef (Germany): *Magnetization-Axis Dependent Local Electronic Structure Probed by Scanning Tunneling Spectroscopy*

- 07.01.2003 294. WE-Heraeus-Seminar on Frontiers in Nanomagnetism, Bad Honnef (Germany):
Direct Observation of Internal Spin-Structure of Magnetic Vortex Cores
- 24.08.2004 Gordon Research Conference on Magnetic Nanostructures, Big Sky (USA): *Shape-Dependent Thermal Switching Behavior of Superparamagnetic Nanoislands*