

Scanning Probe Methods Group, Prof. Dr. Roland Wiesendanger

## Publications: Posters

Date of issue: 2020-08-07

**2019-6-19: Electric-field effects on quantum confinement states at La(0001) surfaces studied by STS**

*D. Schreyer, H. Kim, L. Rózsa, and R. Wiesendanger*, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

**2019-6-19: Electrical detection of zero field sub-10 nm skyrmions and atomically thin domain walls in ultra-thin Co films**

*S. Meyer, M. Perini, S. von Malottki, A. Kubetzka, R. Wiesendanger, K. von Bergmann, and S. Heinze*, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

**2019-6-18: Complex spin structures in the magnetic monolayer of Mn on Re(0001)**

*J. Spethmann, S. Meyer, J. Sassmannshausen, A. Kubetzka, R. Wiesendanger, S. Heinze, and K. von Bergmann*, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

**2019-6-18: Magnetic structure of monatomic Fe chains on Re(0001)**

*A. Lászlóffy, L. Rózsa, K. Palotás, L. Udvardi, and L. Szunyogh*, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

**2019-6-18: Stochastic dynamics and pattern formation of geometrically confined skyrmions**

*A. F. Schäffer, L. Rózsa, J. Berakdar, E. Y. Vedmedenko, and R. Wiesendanger*, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

**2019-6-18: Electronic structure of porphyrin-nanographene on Au(111) by STM/STS**

*J. Goedecke, M. Elsebach, A. Narita, K. Müllen, C. Qiang, M. Bazarnik and R. Wiesendanger*, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

**2019-6-18: Atom manipulation on complex spin textures**

*A. Kubetzka, J. Spethmann, K. von Bergmann, and R. Wiesendanger*, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

**2019-6-18: SP-STM Study of Ultrathin Fe Films on Re(0001)**

*W. Li, A. Kubetzka, K. von Bergmann, and R. Wiesendanger*, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

**2019-6-18: Scanning tunneling spectroscopy of a clean Be(0001) surface**

*H. Osterhage, J.-H. Schmidt, R. Dao, V. Piskryl, R. Wiesendanger, and S. Krause*, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

**2019-6-18: Experimental Thermomagnetic Phase Diagram of Pd/Fe/Ir(111)**

*R. Lindner, L. Bargsten, S. Kovaric, J. Friedlein, J. Harm, S. Krause, and R. Wiesendanger*, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

**2019-6-18: Scanning Seebeck Tunneling Microscopy**

*S. Krause, C. Friesen, H. Osterhage, J. Friedlein, A. Schlenhoff, and R. Wiesendanger*, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

**2019-6-18: Electric-field effects on quantum confinement states at La(0001) surfaces studied by STS**

*D. Schreyer, H. Kim, L. Rózsa, and R. Wiesendanger*, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

**2019-6-17: Interlayer DM coupling**

*E. Y. Vedmedenko*, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

**2019-4-2: Electrical writing, deleting, reading, and moving of magnetic skyrmioniums in a racetrack device**

*A. F. Schäffer, B. Göbel, J. Berakdar, and I. Mertig*, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

- 2019-3-15: **Optomechanical locking of a large linewidth membrane-in-the-middle cavity using the optical spring effect**  
*T. Wagner, J. Butlewski, P. Rohse, C. Schellong, H. Zhong, A. Schwarz, R. Wiesendanger, K. Sengstock, and C. Becker*, Deutsche Physikalische Gesellschaft, Rostock (Germany)
- 2018-11-12: **On-surface Metalization of the Salophen Ligand and Comparison with ex situ Synthesized Metal-Salophen Complexes**  
*M. Elsebach, J. Goedecke, E. Sierda, B. Bugenhagen, M. Przychodnia, R. Wiesendanger, and M. Bazarnik*, 654. WE-Heraeus-Seminar on Topical Insights into Nanoscience using Scanning Probes, ()
- 2018-9-11: **Bottom-up constructed magnetic chains on superconducting Re(0001)**  
*L. Schneider, M. Steinbrecher, L. Rózsa, K. Palotás, J. Wiebe, and R. Wiesendanger*, Spins on Surfaces II (SOS2) Conference, Donostia-San Sebastián (Spain)
- 2018-7-28: **Bottom-up constructed magnetic chains on superconducting Re(0001)**  
*L. Schneider, M. Steinbrecher, L. Rózsa, K. Palotás, J. Wiebe, and R. Wiesendanger*, SPSTM-7 & LTSTM-1 International Conference, Nijmegen (The Netherlands)
- 2018-7-18: **Influence of hydrogen on noncollinear magnetic order in ultrathin Fe films on Ir(111)**  
*L. Rózsa, P.-J. Hsu, A. Finco, L. Schmidt, K. Palotás, E. Vedmedenko, L. Udvardi, L. Szunyogh, A. Kubetzka, K. von Bergmann, and R. Wiesendanger*, International Conference on Magnetism (ICM) 2018, San Francisco, CA (USA)
- 2018-6-10: **Re-Searching new skyrmionic systems in oxidic ultrathin films using magnetic exchange force microscopy**  
*A. Schwarz*, SPP 2137, Bad Honnef (Germany)
- 2018-4-23: **Enhanced spin-ordering temperature in ultrathin FeTe films grown on a topological insulator**  
*J. Warmuth, U. R. Singh, A. Kamlapure, L. Cornils, M. Bremholm, P. Hofmann, J. Wiebe, and R. Wiesendanger*, InterMag, Singapore (Singapore)
- 2018-3-15: **Nonlinear response of thin magnetic films to short electromagnetic pulses**  
*A. F. Schäffer and J. Berakdar*, Deutsche Physikalische Gesellschaft, Berlin (Germany)
- 2018-3-14: **Tests and first results of an RF-compatible UHV-based multiprobe-STM system**  
*J. Koch, J. Harm, J. Friedlein, M. Barzanik, S. Krause, and R. Wiesendanger*, 82nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)
- 2018-3-13: **Spin textures in Fe/Rh/Ir(111) investigated by spin-polarized STM**  
*A. Kubetzka, K. von Bergmann, and R. Wiesendanger*, Deutsche Physikalische Gesellschaft, Berlin (Germany)
- 2017-11-22: **Spin-spirals in bottom-up fabricated Fe chains induced by Dzyaloshinskii-Moriya interaction**  
*M. Steinbrecher, K. T. That, R. Rausch, J. Hermenau, M. Potthoff, A. A. Khajetoorians, J. Wiebe, R. Wiesendanger*, 654th Heraeus Seminar: Topical Insights into Nanoscience using Scanning Probes, Bad Honnef (Germany)
- 2017-11-22: **Probing the Nano-Skyrmion lattice on Fe/Ir(111) using Magnetic Exchange Force Microscopy**  
*A. Schwarz, J. Grenz, and R. Wiesendanger*, 654. WE-Heraeus-Seminar "Topical Insights into Nanoscience using Scanning Probes", Bad Honnef (Germany)
- 2017-11-19: **Magnetic and chiral properties of epitaxial Pt/Co/Ir(111) films investigated by SP-STM**  
*M. Perini, S. Meyer, B. Dupé, S. von Malottki, A. Kubetzka, K. von Bergmann, R. Wiesendanger, and S. Heinze*, 654. WE-Heraeus Seminar, Bad Honnef (Germany)
- 2017-11-17: **Towards tailored all-spin molecular devices**  
*M. Bazarnik, E. Sierda, M. Elsebach, J. Goedecke, M. Przychodnia, R. Wiesendanger*, Peer Review Meeting ONR, Berkeley (USA)
- 2017-8-16: **Emergent phenomena in the magnetic-superconducting hybrid system Fe on Re(0001) analyzed by STM/S measurements**  
*A. Palacio-Morales, H. Kim, and R. Wiesendanger*, 28th International Conference on Low Temperature Physics (LT28), Gothenburg (Sweden)
- 2017-8-12: **High Frequency Magnetization Dynamics of Individual Atomic-Scale Magnets**  
*S. Krause, A. Sonntag, J. Hermenau, J. Friedlein, and R. Wiesendanger*, 28th International Conference on Low Temperature Physics (LT28), Gothenburg (Sweden)
- 2017-8-9: **Spin-spirals in bottom-up fabricated Fe chains induced by Dzyaloshinskii-Moriya interaction**  
*M. Steinbrecher, K. T. That, J. Hermenau, A. A. Khajetoorians, J. Wiebe, R. Wiesendanger*, 28th International Conference on Low Temperature Physics (LT28), Gothenburg (Sweden)

2017-6-29: **Magnetische Spektroskopie einzelner Atome, Ketten und Nanostrukturen**

*J. Wiebe, K. von Bergmann, and R. Wiesendanger*, SFB 668 International Symposium, Hamburg (Germany)

2017-6-29: **Spin-Polarized Tunneling on Single Magnetic Molecules: Towards Molecule-Based Spintronic Devices**

*M. Bazarnik, M. Elsebach, E. Sierda, J. Brede, G. Hoffman, and R. Wiesendanger*, SFB 668 International Symposium, Hamburg (Germany)

2017-6-29: **Lokale physikalische Eigenschaften magnetischer Atome und Moleküle**

*A. Schwarz*, SFB 668 International Symposium, Hamburg (Germany)

2017-6-29: **Spinabhängige lokale Elektronenstruktur einzelner magnetischer Nanodrähte und Nanoinseln**

*K. von Bergmann and R. Wiesendanger*, SFB 668 International Symposium, Hamburg (Germany)

2017-6-29: **Theorie magnetischer Strukturbildung in Nanoteilchen und Nanoarrays**

*E. Vedmedenko*, SFB 668 International Symposium, Hamburg (Germany)

2017-6-29: **Temperatur- und Quantenfluktuationen in magnetischen Nanoteilchen**

*E. Vedmedenko and M. Potthoff*, SFB 668 International Symposium, Hamburg (Germany)

2017-6-29: **Thermisch aktivierte Magnetisierungsumkehr und strominduziertes Schalten mittels spinpolarisiertem RTM**

*S. Krause, A. Khajetoorians, and R. Wiesendanger*, SFB 668 International Symposium, Hamburg (Germany)

2017-6-14: **Magneto-Seebeck Tunneling Across a Vacuum Barrier**

*C. Friesen and S. Krause*, Spin Caloritronics 8, Regensburg (Germany)

2017-6-10: **Searching for new skyrmionic systems in oxidic ultrathin films**

*A. Schwarz*, SPP 2137 Network Meeting, Mainz (Germany)

2017-5-3: **Magnetic and chiral properties of epitaxial Pt/Con/Ir(111) films investigated by SP-STM**

*M. Perini, A. Kubetzka, K. von Bergmann, and R. Wiesendanger*, Skymag, Paris (France)

2017-5-3: **Skyrmions with attractive interactions in an ultrathin film**

*L. Rózsa, A. Deák, E. Simon, R. Yanes, L. Udvardi, L. Szunyogh, U. Nowak, and K. Palotás*, SKYMAG 2017, Paris (France)

2017-5-3: **A Magnetic Nano-Skyrmion Lattice observed in a Si-wafer based Multilayer System**

*A. Schlenhoff, P. Lindner, J. Friedlein, S. Krause, R. Wiesendanger, M. Weinl, M. Schreck and M. Albrecht*, SKYMAG 2017, Paris (France)

2017-5-3: **Skyrmions at the edge: Confinement effects in Fe/Ir(111)**

*A. Kubetzka, J. Hagemeister, D. Iaia, E.Y. Vedmedenko, K. von Bergmann, and R. Wiesendanger*, SkyMag Conference, Paris (France)

2017-5-3: **Anisotropic Chiral Spin Coupling Across Step Edges in Fe/W(110) Ultrathin Films**

*S., Krause, A. Schlenhoff, and R. Wiesendanger*, SkyMag 2017, Paris (France)

2017-5-3: **Probing the Thermomagnetic Phase Diagram of Pd/Fe/Ir(111) via STM**

*P. Lindner, L. Bargsten, S. Kovarik, J. Friedlein, J. Harm, S. Krause, and R. Wiesendanger*, SkyMag 2017, Paris (France)

2017-5-3: **Emergence of Isolated Magnetic Skyrmions in Hydrogenated Iron Films**

*P. J. Hsu, L. Schmidt, A. Finco, N. Romming, A. Kubetzka, K. von Bergmann, and R. Wiesendanger*, Skymag, Paris (France)

2017-5-3: **Influence of lattice strain on the formation of magnetic skyrmions**

*J. Hagemeister, E. Vedmedenko, and R. Wiesendanger*, Skymag, Paris (France)

2017-5-3: **Multi- $\pi$  Skyrmions in Interfacial Magnets**

*A. Siemens, J. Hagemeister, E. Y. Vedmedenko, and R. Wiesendanger*, Skymag, Paris (France)

2017-5-3: **Dzyaloshinskii-Moriya Coupling in Bi- and Tri-layers of Magnetic Material**

*G. Henkelmann, E. Y. Vedmedenko, and R. Wiesendanger*, Skymag, Paris (France)

2017-5-2: **Modifying non-collinear magnetism with strain, temperature and electric field**

*A. Finco, P. J. Hsu, L. Rózsa, A. Kubetzka, N. Romming, E. Vedmedenko, K. von Bergmann, and R. Wiesendanger*, Skymag, Paris (France)

2017-3-24: **Calorimetric Experiments on Fe/W(110) using SP-STM**

*H. Osterhage, C. Friesen, and S. Krause*, 81st Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2017-3-24: Skyrmions at the edge: Confinement effects in Fe/Ir(111)**

A. Kubetzka, J. Hagemeyer, D. Iaia, E.Y. Vedmedenko, K. von Bergmann, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2017-3-21: Electronic Structure of surface-doped FeTe bulk crystals and epitaxial FeTe thin films on Bi<sub>2</sub>Te<sub>3</sub>**

F. Arnold, J. Warmuth, J. Fikáček, M. Michiardi, M. Bianchi, J. Honolka, T. Wehling, P. Hofmann, and J. Wiebe, DPG Frühjahrstagung 2017, Dresden (Germany)

**2017-3-7: Asymmetric fiber cavities for quantum opto-mechanics with SiN-membranes**

J. Petermann, T. Wagner, P. Christoph, C. Becker, K. Sengstock, H. Zhong, A. Schwarz, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Mainz (Germany)

**2017-3-6: Coupling cold atoms to a cryogenically cooled optomechanical device**

P. Christoph, J. Petermann, T. Wagner, C. Staarmann, K. Sengstock, C. Becker, H. Zhong, A. Schwarz, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Mainz (Germany)

**2017-2-21: Magneto-Seebeck Tunneling Across a Vacuum Barrier**

C. Friesen and S. Krause, Spin Mechanics 4, Lake Louise (Kanada)

**2016-9-6: Spin resolved tunneling to salene based magnetic molecules adsorbed on ferromagnetic graphene based substrates**

M. Bazarnik, B. Bugenhagen, A. Frank, M.H. Prosenc, and R. Wiesendanger, The 15th International Conference on Molecule-Based Magnets, Sendai (Japan)

**2016-8-23: Skyrmions and spin spirals in canted and in-plane magnetic fields investigating by STM**

L. Schmidt, J. Hagemeyer, P.-J. Hsu, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, 8th Joint European Magnetic Symposia (JEMS 2016), Glasgow (UK)

**2016-4-25: Magnetic Properties in Fe-Chalcogenide Thin Films and FeTe Bulk Crystals Studied by Spin-Polarized Scanning Tunneling Microscopy**

L. Cornils, A. Kamlapure, S. Manna, T. Hänke, J. Hu, Z.Q. Mao, J.-L. Mi, B. B. Iversen, Ph. Hofmann, J. Wiebe, and R. Wiesendanger, International Conference on Superconductivity and Magnetism, Fethiye (Turkey)

**2016-3-9: Tuning the Interaction of Magnetic Molecules with a Metallic Substrate via an Insulating Film**

D. Schwickert, M. Elsebach, M. Bazarnik, B. Bugenhagen, M. H. Prosenc, and R. Wiesendanger, 80th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2016-3-9: Skyrmions and spin spirals in canted and in-plane magnetic fields investigating by STM**

L. Schmidt, P.-J. Hsu, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, 80th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2016-3-9: Growth of Pb on ultrathin Fe layers on Ir(111)**

J. Sassmannshausen, A. Kubetzka, N. Romming, K. von Bergmann, and R. Wiesendanger, 80th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2016-3-8: Non-collinear spin-states in dilute 1D chains induced by Dzyaloshinskii-Moriya interaction**

M. Steinbrecher, A. A. Khajetoorians, J. Wiebe, and R. Wiesendanger, 80th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2016-3-8: Band gap engineering by Bi intercalation of graphene on Ir(111)**

J. Warmuth, A. Bruix, M. Michiardi, T. Hänke, M. Bianchi, J. Wiebe, R. Wiesendanger, B. Hammer, P. Hofmann, and A. A. Khajetoorians, 80th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2016-3-2: Coupling cold atoms to a cryogenically cooled optomechanical device**

T. Wagner, C. Staarmann, P. Christoph, O. Hellmig, A. Bick, K. Sengstock, H. Zhong, A. Schwarz, and R. Wiesendanger, DPG-Frühjahrstagung (SAMOP), Hannover (Germany)

**2016-3-2: Magneto-Seebeck Tunneling across a vacuum barrier**

S. Krause and C. Friesen, SpinCaT Workshop, Bad Honnef (Germany)

**2015-11-4: Conduction-electron mediated Dzyaloshinsky-Moriya interaction in pairs of adatoms revealed by ISTS**

M. Steinbrecher, A. A. Khajetoorians, M. Bouhassoune, M. dos Santos Dias, S. Lounis, M. Ternes, J. Wiebe and R. Wiesendanger, 598. WE-Heraeus-Seminar: Frontiers in Scanning Probe Microscopy, Bad Honnef (Germany)

**2015-11-4: Adsorption of a magnetic molecule on a magnetic substrate: An nc-AFM study of Fe-PC on Fe/W(001)**

*J. Grenz, A. Schwarz, and R. Wiesendanger*, 598. WE-Heraeus-Seminar: Frontiers in Scanning Probe Microscopy, Bad Honnef (Germany)

**2015-11-4: Investigation and Manipulation of Single Magnetic Skyrmions**

*N. Romming, A. Kubetzka, Ch. Hanneken, K. von Bergmann, and R. Wiesendanger*, 598. WE-Heraeus-Seminar, Bad Honnef (Germany)

**2015-11-4: Towards tailored all-spin molecular devices**

*M. Bazarnik, B. Bugenhagen, M. Elsebach, E. Sierda, A. Frank, M. H. Prosenc, and R. Wiesendanger*, 598. WE-Heraeus-Seminar, Bad Honnef (Germany)

**2015-11-4: Investigation of the magnetization dynamics of Fe-clusters on Pt(111)**

*J. Hermenau, A. Sonntag, Chr. Hübner, J. Ibanez-Azpiroz, M. Steinbrecher, A. A. Khajetoorians, B. Baxevanis, S. Lounis, J. Wiebe, R. Wiesendanger*, 598. WE-Heraeus-Seminar: Frontiers in Scanning Probe Microscopy, Bad Honnef (Germany)

**2015-7-15: Thermal stability of an interface-stabilized skyrmion lattice**

*S. Krause, A. Sonntag, J. Hermenau, and R. Wiesendanger*, International Conference on Magnetism (ICM-20), Barcelona (Spain)

**2015-7-9: Confinement effects in lattices of nanoskyrmions**

*J. Hagemeister, A. Kubetzka, E. Vedmedenko, and R. Wiesendanger*, 20th International Conference on Magnetism, Barcelona (Spain)

**2015-7-6: A combined XMCD, ARPES and STM study of 3d adatoms on the topological insulator Bi<sub>2</sub>Te<sub>2</sub>Se**

*L. Cornils, J. Honolka, M. Vondráček, L. Zhou, A. Kamlapure, J. Warmuth, J. Wiebe, A. A. Khajetoorians, L. Barreto, M. Michiardi, P. Hofmann, B. B. Iversen, C. Piamonteze, J. L. Mi, T. Wehling, M. Schüler, H. Ebert, J. Minar, and R. Wiesendanger*, New Trends in Topological Insulators, San Sebastian (Spain)

**2015-3-26: Asymmetric fiber cavities for quantum opto-mechanics with SiN-membranes**

*P. Christoph, A. Bick, C. Staarmann, H. Zhong, A. Schwarz, R. Wiesendanger, O. Hellmig, J. Heinze, C. Becker, and K. Sengstock*, Asymmetric fiber cavities for quantum opto-mechanics with SiN-membranes, Heidelberg (Germany)

**2015-3-26: Realizing a sub-kelvin membrane-in-the-middle fiber cavity**

*H. Zhong, P. Christoph, A. Bick, C. Staarmann, J. Heinze, O. Hellmig, C. Becker, A. Schwarz, K. Sengstock, and R. Wiesendanger*, DPG-Frühjahrstagung (AMOP), Heidelberg (Germany)

**2015-3-20: Construction of a dilution fridge based UHV spin-polarized STM operational in a vector magnetic field**

*J. P. Hermenau, A. Sonntag and A. Khajetoorians*, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2015-3-18: Development of a Soft-Landing for Electrospray Deposition**

*M. Elsebach, M. Bazarnik, B. Bugenhagen, A. Frank, M. H. Prosenc, and R. Wiesendanger*, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2015-3-18: XMCD of 3d adatoms on Bi<sub>2</sub>Te<sub>3</sub> and Bi<sub>2</sub>Te<sub>2</sub>Se: experiment and ab initio theory**

*M. Vondracek, M. Schüler, M. Dunst, C. Piamonteze, J. Warmuth, M. Michiardi, L. Barreto, A. A. Khajetoorians, J.-L. Mi, B. B. Iversen, P. Hofmann, J. Wiebe, T. Wehling, J. Minar, H. Ebert, R. Wiesendanger, and J. Honolka*, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2015-3-17: Investigation of the chiral spin structure of the double layer Fe on Ir(111) using SP-STM in a 3D vector magnetic field system**

*A. Finco, P.-J. Hsu, L. Schmidt, A. Kubetzka, K. von Bergmann, and R. Wiesendanger*, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2015-3-17: STM study of the preparation of superconducting Ta(110) surfaces**

*T. Eelbo, V. Zdravkov, and R. Wiesendanger*, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2015-3-17: Stability of Single Skyrmionic Bits**

*J. Hagemeister, N. Romming, K. von Bergmann, E. Y. Vedmedenko, and R. Wiesendanger*, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2015-3-17: Spin-curvature and local density of states in PdFe/Ir(111)**

*A. Kubetzka, Ch. Hanneken, N. Romming, K. von Bergmann, R. Wiesendanger, F. Otte, B. Dupé, and S. Heinze*, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2015-3-16: Spin Spirals and Skyrmions in ultrathin Films in in-plane magnetic Fields investigated by SP-STM**

*L. Schmidt, P.-J. Hsu, Ch. Hanneken, A. Kubetzka, K. von Bergmann, and R. Wiesendanger*, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-2-23: **Single Iron-Phthalocyanine molecules on Fe/W(001): A non-contact atomic force microscopy study at low temperature in UHV**  
*J. Grenz, A. Schwarz, and R. Wiesendanger*, Workshop on high-resolution AFM/STM images using functionalized tips, Prag (Czech Republic)

2015-2-2: **Magneto-Seebeck tunneling across a vacuum barrier**  
*C. Friesen and S. Krause*, SpinCaT Workshop, Bad Honnef (Germany)

2014-9-18: **Single molecules Iron-Phthalocyanine on Fe/W(001)**

*J. Grenz, A. Schwarz, and R. Wiesendanger*, SFB668 Summer School: Magnetism on a Molecular Scale: Experiment and Theory, Hamburg (Germany)

2014-7-23: **Temperature-Driven Phase Transition of Fe/Ir(111) Nanoskymions**

*S. Krause, A. Sonntag, J. Hermenau and R. Wiesendanger*, International Conference on Nanoscience and Technology, Vail, Colorado (USA)

2014-7-22: **Spatial variation of a skyrmion's electronic band structure observed with scanning tunneling spectroscopy**

*C. Hanneken, N. Romming, K. von Bergmann, A. Kubetzka, and R. Wiesendanger*, ICN+T 2014, Vail (CO) (USA)

2014-7-16: **Spatial variation of a skyrmion's electronic band structure observed with scanning tunneling spectroscopy**

*C. Hanneken, N. Romming, K. von Bergmann, A. Kubetzka, and R. Wiesendanger*, SP-STM 2014, Huron (OH) (USA)

2014-7-12: **Enhanced atomic-scale spin contrast due to spin friction**

*S. Ouazi, A. Kubetzka, K. von Bergmann, and R. Wiesendanger*, Max-Planck-Institute Symposium, Halle (Saale) (Germany)

2014-7-10: **Enhanced atomic-scale spin contrast due to spin friction**

*S. Ouazi, A. Kubetzka, K. von Bergmann, and R. Wiesendanger*, International Symposium on Spin-Polarized Electron Physics and Nanomagnetism, Halle (Saale) (Germany)

2014-7-9: **Screening and Atomic-Scale Engineering of the Potential at a Topological Insulator Surface**

*J. Wiebe, P. Löptien, L. Zhou, A. A. Khajetoorians, J. L. Mi, B. B. Iversen, Ph. Hofmann, and R. Wiesendanger*, New Trends in Topological Insulators (NTTI) 2014, Berlin (Germany)

2014-7-7: **Combined XMCD and STS study of transition metal adatoms adsorbed on the surface of prototypical 3D topological insulators**

*L. Cornils, M. Vondráček, M. Michiardi, L. Barreto, C. Piamonteze, A. Eich, A. A. Khajetoorians, J.-L. Mi, B. B. Iversen, Ph. Hofmann, J. Wiebe, J. Honolka, and R. Wiesendanger*, New Trends in Topological Insulators, Berlin (Germany)

2014-4-10: **Nanoskymion lattices in zero magnetic field: spin-polarized STM on Fe/Ir(111)**

*K. von Bergmann, S. Heinze, M. Menzel, J. Brede, G. Bihlmayer, S. Blügel, A. Kubetzka, and R. Wiesendanger*, Skymag 2014, Paris (France)

2014-4-10: **Magnetic atom manipulation over a skyrmion lattice**

*S. Ouazi, A. Kubetzka, K. von Bergmann, and R. Wiesendanger*, Skymag 2014, Paris (France)

2014-4-10: **Spatial variation of a skyrmion's electronic band structure observed with scanning tunneling spectroscopy**

*C. Hanneken, N. Romming, K. von Bergmann, A. Kubetzka, and R. Wiesendanger*, SKYMAG 2014, Paris (France)

2014-4-9: **Magnetic field dependent study of the skyrmion size**

*N. Romming, K. von Bergmann, A. Kubetzka, and R. Wiesendanger*, Skymag 2014, Paris (France)

2014-4-9: **Tailoring skyrmion lattices**

*J. Hagemeister, E. Vedmedenko, R. Wiesendanger*, Skymag 2014, Paris (France)

2014-4-2: **Manipulating the magnetic properties of a single atom by controlled hydrogenation**

*J. Wiebe, A. A. Khajetoorians, T. Schlenk, M. Steinbrecher, M. Valentyuk, B. Schweflinghaus, M. dos Santos Dias, M. Bouhassoune, S. Lounis, A. Lichtenstein, and R. Wiesendanger*, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-4-2: **Toward a multiprobe- high frequency- spin-polarized scanning tunneling microscope**

*J. Friedlein, A. Sonntag, J. Harm, S. Krause, and R. Wiesendanger*, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-4-2: **Capacitively guided tip-to-tip positioning for multiprobe spin-polarized scanning tunneling microscopy**

*J. Harm, J. Friedlein, A. Sonntag, S. Krause, and R. Wiesendanger*, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-4-1: **Combined XMCD and STS study of transition metal adatoms adsorbed on the surface of prototypical 3D topological insulators**  
*J. Warmuth, M. Vondráček, M. Michiardi, L. Barreto, C. Piamonteze, A. Eich, A. A. Khajetoorians, J.-L. Mi, B. B. Iversen, Ph. Hofmann, J. Wiebe, J. Honolka, and R. Wiesendanger*, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-4-1: **CO on NiO(001)**

*J. Grenz, A. Schwarz, and R. Wiesendanger*, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-3-17: **Set-up of a hybrid quantum optomechanical system at 30 mK**

*H. Zhong, G. Fläschner, M. Nitschke, A. Schwarz, and R. Wiesendanger*, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2014-3-17: **A Hybrid System in the Quantum Regime**

*C. Staarmann, A. Bick, P. Christoph, O. Hellmig, C. Becker, K. Sengstock, H. Zhong, G. Fläschner, A. Schwarz, and R. Wiesendanger*, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2014-3-3: **Screening and atomic-scale engineering of the potential at a topological insulator surface**

*P. Löptien, L. Zhou, J. Wiebe, A. A. Khajetoorians, J.-L. Mi, B. B. Iversen, Ph. Hofmann, and R. Wiesendanger*, APS March Meeting 2014, Denver (USA)

2013-11-12: **Toward a multiprobe- high frequency- spin-polarized scanning tunneling microscope**

*J. Friedlein, A. Sonntag, J. Harm, S. Krause, and R. Wiesendanger*, 544. WE-Heraeus-Seminar: Interactions with the Nanoworld, Bad Honnef (Germany)

2013-11-12: **Carbon Monoxide: Contrast Formation in Non-Contact Atomic Force Microscopy Imaging**

*A. Schwarz, A. Köhler, J. Grenz, and R. Wiesendanger*, 544. WE-Heraeus-Seminar: Interactions with the Nanoworld: Local Probes with High Time, Energy and Force Resolution, Bad Honnef (Germany)

2013-11-12: **Spin Excitations of Individual Fe Atoms on Pt(111): Impact of the Site-Dependent Giant Substrate Polarization**

*M. Steinbrecher, A. A. Khajetoorians, T. Schlenk, B. Schweflinghaus, M. dos Santos Dias, M. Bouhassoune, S. Lounis, J. Wiebe and R. Wiesendanger*, 544. WE-Heraeus-Seminar: Interactions with the Nanoworld, Bad Honnef (Germany)

2013-10-8: **CO adsorbed on Mn/W(001)**

*A. Köhler, A. Schwarz and R. Wiesendanger*, 1st German-French Summer School on noncontact atomic force microscopy, Porquerolles (France)

2013-10-8: **A high resolution UHV - 300mK - 10T - Atomic Force Microscope**

*K. Ruschmeier, H. von Allwörden, A. Schwarz, and R. Wiesendanger*, 1st German-French Summer School on noncontact AFM, Porquerolles (France)

2013-10-8: **Screening and Atomic-Scale Engineering of the Potential at a Topological Insulator Surface**

*J. Wiebe, P. Löptien, L. Zhou, A. A. Khajetoorians, J.-L. Mi, B. B. Iversen, Ph. Hofmann, and R. Wiesendanger*, Kickoff meeting of DFG-SPP 1666, Frankfurt (Germany)

2013-8-7: **Co adatoms on NiO(001)**

*J. Grenz, A. Schwarz, and R. Wiesendanger*, 16th International Conference on Non-Contact Atomic Force Microscopy (NCAFM '13), University of Maryland College Park, Maryland (USA), University of Maryland College Park, Maryland (USA)

2013-5-30: **Surface- and defect-induced Dzyaloshinskii-Moriya interactions: influence on vortex states in magnetic nanodots**

*A. B. Butenko, A. N. Bogdanov, and U. K. Rößler*, Workshop "Dzyaloshinskii-Moriya Interaction and Exotic Spin Structures", Veliky Novgorod (Russian Federation)

2013-3-19: **Nonlinear response of an optomechanical system studied via the noise power spectrum**

*G. Fläschner, K. Ruschmeier, M.R. Bakhtiari, A. Schwarz, R. Wiesendanger and M. Thorwart*, 77th Spring Conference, Deutsche Physikalische Gesellschaft, Hannover (Germany)

2013-3-18: **Towards coupling a BEC to a micromechanical oscillator**

*A. Bick, C. Staarmann, P. Christoph, P. Rothfos, P. Windpassinger, C. Becker, K. Sengstock, H. Zhong, G. Fläschner, A. Schwarz, and R. Wiesendanger*, Spring Conference, Deutsche Physikalische Gesellschaft, Hannover (Germany), Hannover (Germany)

2013-3-15: **Conical Spin-Spiral State in an Ultrathin Film**

*N. Romming, Y. Yoshida, S. Schröder, P. Ferriani, D. Serrate, A. Kubetzka, K. von Bergmann, S. Heinze, and R. Wiesendanger*, 77th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2013-3-13: Investigation of single Co atoms on Mn/W(001)**

A. Köhler, A. Schwarz, and R. Wiesendanger, 77th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2013-3-12: Nanomagnets affected by spin-polarized tunneling and field-emission**

J. Friedlein, A. Schlenhoff, A. Sonntag, S. Krause, and R. Wiesendanger, 77th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2013-3-11: Superconductivity in Thin La Films**

L. Zhou, P. Löptien, A. Khajetoorians, J. Wiebe, and R. Wiesendanger, 77th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2013-3-9: Nonlinear response of an optomechanical system studied via the noise power spectrum**

G. Fläschner, K. Ruschmeier, R. Bakhtiari, A. Schwarz, R. Wiesendanger, and M. Thorwart, Spring Conference, Deutsche Physikalische Gesellschaft, Section AMOP, Hannover (Germany)

**2013-3-4: Fe and Co intercalation of epitaxial graphene on Ir(111)**

M. Bazarnik, R. Decker, J. Brede, and R. Wiesendanger, International Winterschool on Electronic Properties of Novel Materials 2013, Kirchberg (Austria)

**2012-9-10: Switching the magnetization of nanomagnets using SP-STM**

B. Ehlers, G. Herzog, J. Friedlein, S. Krause, and R. Wiesendanger, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

**2012-9-10: Superconductivity in thin lanthanum films**

P. Löptien, L. Zhou, A. A. Khajetoorians, J. Wiebe, and R. Wiesendanger, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

**2012-9-10: Spin-transfer torque switching efficiency in SP-STM experiments**

S. Krause, A. Sonntag, G. Herzog, A. Schlenhoff, and R. Wiesendanger, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

**2012-9-10: Properties of magnetically doped topological insulator Fe/Bi<sub>2</sub>Se<sub>3</sub>**

A. Eich, J. Honolka, A. A. Khajetoorians, V. Sessi, M. Koleini, T. O. Wehling, S. Stepanow, J.-L. Mi, B. B. Iversen, A. Balatsky, T. Schlenk, J. wiebe, O. Pietzsch, N. Brookes, A. I. Lichtenstein, Ph. Hofman, M. Bianci, K. Kern and R. Wiesendanger, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

**2012-9-10: An oxygen annealing chamber for the preparation of clean hard metal substrates**

J. Friedlein, A. Sonntag, B. Ehlers, S. Krause, and R. Wiesendanger, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

**2012-9-10: Bulk Cr tips with full spatial magnetic sensitivity for spin-polarized scanning tunneling microscopy**

A. Sonntag, A. Schlenhoff, S. Krause, G. Herzog, and R. Wiesendanger, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

**2012-9-10: Bistability of Adatoms on Graphene**

M. Gyamfi, T. Eelbo, M. Wasniowska, and R. Wiesendanger, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

**2012-9-10: Conical Spin-Spiral State in an Ultrathin Film**

N. Romming, Y. Yoshida, S. Schröder, P. Ferriani, D. Serrate, A. Kubetzka, K. von Bergmann, S. Heinze, and R. Wiesendanger, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

**2012-9-10: Domain Wall Manipulation With A Magnetic Tip**

T. Stapelfeldt, R. Wieser, E.Y. Vedmedenko, and R. Wiesendanger, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

**2012-8-16: In-plane magnetic anisotropy of Fe atoms on Bi<sub>2</sub>Se<sub>3</sub>(111)**

J. Wiebe, J. Honolka, A. A. Khajetoorians, V. Sessi, T. O. Wehling, S. Stepanow, J.-L. Mi, B. B. Iversen, T. Schlenk, A. Eich, O. Pietzsch, N. Brookes, A. I. Lichtenstein, Ph. Hofmann, M. Bianchi, K. Kern, and R. Wiesendanger, International CECAM Workshop "Topological Materials", Bremen (Germany)



**2012-7-24: Graphene on Pt(111) intercalated by Cobalt studied with STM and STS**

*T. Eelbo, M. Gyamfi, M. Wasniowska, and R. Wiesendanger*, International Conference on Nanoscience and Technology, Paris (France)

**2012-7-12: Bulk Cr tips with full spatial magnetic sensitivity for spin-polarized scanning tunneling microscopy**

*A. Sonntag, A. Schlenhoff, S. Krause, G. Herzog, and R. Wiesendanger*, International Conference on Magnetism (ICM), Busan (Republic of Korea)

**2012-7-3: Evaluation of thermal noise spectra recorded below 1 K with an interferometric detection**

*K. Ruschmeier, A. Schwarz, and R. Wiesendanger*, 15th International Conference on Noncontact Atomic Force Microscopy (NCAFM 2012), Český Krumlov (Czech republic)

**2012-6-7: Structure and magnetism of cobalt intercalated graphene on Ir(111)**

*R. Decker, J. Brede, N. Atodiressei, V. Caciuc, S. Blügel, and R. Wiesendanger*, Graphene week, Delft (Netherlands)

**2012-5-19: Molecular photo-switch on Si(100)**

*M. Bazarnik, L. Jurczyszyn, M.W. Radny, R. Czajka, K. Morgenstern*, Electron Controlled Chemical Lithography Meeting 2012, Stykkishólmur (Iceland)

**2012-3-30: Switching the magnetization of nanomagnets using SP-STM**

*B. Ehlers, G. Herzog, J. Friedlein, S. Krause, and R. Wiesendanger*, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2012-3-30: Domain Wall Manipulation With a Magnetic Tip**

*T. Stapelfeldt, R. Wieser, E. Y. Vedmedenko, and R. Wiesendanger*, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2012-3-27: A low-temperature facility for spin-polarized scanning tunneling microscopy**

*Lihui Zhou, Peter Löptien, Focko Meier, Jens Wiebe, and Roland Wiesendanger*, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2012-3-27: An oxygen annealing chamber for the preparation of clean hard metal substrates**

*J. Friedlein, A. Sonntag, B. Ehlers, S. Krause, and R. Wiesendanger*, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2012-3-27: STM studies on the ternary topological insulator  $\text{PbBi}_4\text{Te}_7$**

*A. Eich, A.A. Khajetoorians, J. Hagemeyer, O. Pietzsch, J. Wiebe and R. Wiesendanger*, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2011-11-29: STM studies on the ternary topological insulator  $\text{PbBi}_4\text{Te}_7$**

*A. Eich, S. V. Eremeev, G. Landolt, T. V. Menshchikova, B. Slomski, Yu. M. Koroteev, Z. S. Aliev, M. B. Babanly, J. Henk, A. Ernst, L. Patthey, A. A. Khajetoorians, J. Hagemeyer, O. Pietzsch, J. Wiebe, R. Wiesendanger, P. M. Echenique, S. S. Tsirkin, I. R. Amiraslanov, J. H. Dil and E. V. Chulkov*, 493. WE-Heraeus-Seminar: Latest developments in Scanning Probe Techniques focused on Nanotechnology, Bad Honnef (Germany)

**2011-9-20: Design and construction of a 300 mK, 10 Tesla, UHV facility for AFM**

*H. von Allwörden, K. Ruschmeier, A. Schwarz, and R. Wiesendanger*, 14th International Conference on Noncontact Atomic Force Microscopy (NCAFM 2011), Lindau (Germany)

**2011-9-19: Structural Phases of the first Co layers on  $\text{W}(001)$**

*A. Köhler, R. Schmidt, A. Schwarz, and R. Wiesendanger*, 14th International Conference on Noncontact Atomic Force Microscopy (NCAFM 2011), Lindau (Germany)

**2011-9-19: Molecular dynamics of Co-Salen on  $\text{NiO}(001)$  at submonolayer coverages**

*J. Grenz, K. Ruschmeier, A. Schwarz, R. Wiesendanger*, 14th International Conference on Noncontact Atomic Force Microscopy (NCAFM 2011), Lindau (Germany)

**2011-8-23: Domain Wall Manipulation With A Magnetic Tip**

*T. Stapelfeldt, R. Wieser, E.Y. Vedmedenko, and R. Wiesendanger*, European School on Magnetism, Targoviste (Romania)

**2011-8-23: Domain Wall Manipulation With A Magnetic Tip**

*T. Stapelfeldt, R. Wieser, E.Y. Vedmedenko, and R. Wiesendanger*, European School on Magnetism, Targoviste (Romania)

**2011-4-26: Ni atoms on graphene: electronic properties and phonon excitations**

*M. Gyamfi, T. Eelbo, M. Wasniowska, T. Wehling, A. Lichtenstein, S. Forti, U. Starke, and R. Wiesendanger*, Graphene Week 2011, Obergurgl (Austria)

**2011-3-18: Preparation of bulk Chromium tips for SP-STM**

A. Engel, A. Schlenhoff, A. Sonntag, S. Krause, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2011-3-18: Thermal magnetization reversal of small Fe-nanoislands on W(110)**

A. Sonntag, A. Schlenhoff, G. Herzog, S. Krause, B. Ehlers, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2011-3-16: Inhomogeneous electronic properties of monolayer graphene on Ru(0001)**

M. Gyamfi, T. Eelbo, M. Wałowska, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2011-3-16: Growth of Co-Salen on NiO(001) at submonolayer coverages: A non-contact atomic force microscopy study**

J. Grenz, A. Schwarz, J. Hattendorff, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2011-3-15: A sub-Kelvin facility for cross-sectional scanning tunneling spectroscopy of metal-semiconductor heterostructures**

P. Löptien, F. Meier, L. Zhou, J. Wiebe, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2011-3-15: Growth mode and evolution of electronic properties for Bi<sub>1-x</sub>Sb<sub>x</sub> alloys on W(110)**

T. Eelbo, M. Gyamfi, M. Wałowska, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2011-3-15: Structural Phases and Magnetism of the Co Monolayer on W(001)**

A. Köhler, R. Schmidt, A. Schwarz, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2010-8-20: Magnetization Reversal of Nanoscale Islands: How Size and Shape Affect the Arrhenius Prefactor**

S. Krause, G. Herzog, L. Berbil-Bautista, M. Bode, and R. Wiesendanger, SP-STM3, Seoul (Republic of Korea)

**2010-3-29: Magnetization Curves and Excitation Spectra of Individual Spins on Semiconducting Substrates**

J. Wiebe, A. A. Khajetoorians, B. Chilian, S. Schuwalow, F. Lechermann, and R. Wiesendanger, International workshop on single dopant control, Lorentz Center, Leiden (The Netherlands)

**2010-3-24: Probing the spin-state of individual quantum magnets embedded in a semiconductor**

A.A. Khajetoorians, B. Chilian, J. Wiebe, S. Schuwalow, F. Lechermann, R. Wiesendanger, 74rd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2010-3-24: A Scanning tunneling microscope study of single Phthalocyaninemolecules on ultra thin insulating layers on different metal substrates**

J. Brede, J. Schwöbel, S. Kuck, G. Hoffmann, and R. Wiesendanger, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2010-3-24: Study on Automated Atom Manipulation**

B. Wolter, A. Kubetzka, R. Wiesendanger, B. Schütz, J. Zhang, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2010-3-24: Growth of Co-Salen on NiO(001)**

J. Hattendorff, A. Schwarz, R. Wiesendanger, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2010-3-23: Splitting of quantum well states in Pb films induced by spin dependent confinement**

Y. Fu, G. Hoffmann, and R. Wiesendanger, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2010-3-17: Single Molecule Manipulation of Co-Salophene-Br<sub>2</sub>**

A. DiLullo, S.-H. Chang, G. Hoffmann, R. Wiesendanger, S.-W. Hla, 2010 APS March Meeting, Portland, Oregon (USA)

**2009-11-9: Adsorption, Self Assembly, and Electronic States of Corrole Molecules Adsorbed on Different Copper Facets**

L. Lichtenstein, S. Kuck, G. Hoffmann, and R. Wiesendanger, AVS 2009, San Jose (USA)

**2009-11-9: Adsorption of Metal Phthalocyanines on Cu(111) and Cu(100): A STM Study**

S.-H. Chang, J. Brede, J. Schwöbel, S. Kuck, G. Hoffmann, R. Wiesendanger, AVS 2009, San Jose (USA)

**2009-9-20: Experimental Determination of the Dzyaloshinskii-Moriya Vector by Spin-Polarized Scanning Tunneling Microscopy in a Triple Axes Vector Magnet**

S. Meckler, N. Mikuszeit, A. Preßler, E. Y. Vedmedenko, O. Pietzsch, and R. Wiesendanger, Nanostructures at Surfaces, Ascona (Switzerland)

**2009-9-17: Spin-Polarized Scanning Tunneling Microscopy and Spectroscopy**

*G. Herzog, L. Zhou, S. Krause, F. Meier, J. Wiebe, and R. Wiesendanger*, 3rd International Summer School of the GrK "Physics of Functional Micro- and Nanostructures", Hamburg (Germany)

**2009-7-28: Investigation of the Thermal Switching Behavior of Superparamagnetic Nanoislands by SP-STM**

*G. Herzog, S. Krause, L. Berbil-Bautista, M. Bode, and R. Wiesendanger*, International Conference on Magnetism (ICM), Karlsruhe (Germany)

**2009-7-27: Observation of Superparamagnetic Fe/W(110) Nanoislands by SP-STM in the Field Emission Mode**

*A. Emmenegger, S. Krause, G. Herzog, A. Kubetzka, and R. Wiesendanger*, International Conference on Magnetism (ICM), Karlsruhe (Germany)

**2009-7-23: Probing Fe/W(001) with Magnetic Exchange Force Microscopy**

*R. Schmidt, C. Lazo, H. Hölscher, V. Caciuc, A. Schwarz, R. Wiesendanger, and S. Heinze*, 20th International Colloquium on Magnetic Films and Surfaces (ICMFS), Berlin (Germany)

**2009-7-23: Periodic LDOS modulations in bi-atomic Fe chains**

*M. Menzel, K. von Bergmann, A. Kubetzka, and R. Wiesendanger*, 20th International Colloquium on Magnetic Films and Surfaces (ICMFS), Berlin (Germany)

**2009-7-22: Topological spin frustration of Cr monolayer on Pd(111)**

*S. Schroeder, M. Wasniowska, P. Ferriani, and S. Heinze*, 20th International Colloquium on Magnetic Films and Surfaces, Berlin (Germany)

**2009-7-20: The influence of the real shape on the magnetostatic interaction and shape anisotropy in periodic arrays of permalloy nanostructures**

*S. Pütter, N. Mikuszeit, M. Scholz, H. Stillrich, E. Y. Vedmedenko, G. Hoffmann, and H. P. Oepen*, 20th International Colloquium on Magnetic Films and Surfaces (ICMFS), Berlin (Germany)

**2009-7-19: Adsorption of metal phthalocyanines on Cu(111) and Cu(100): A STM study**

*S.-H. Chang, J. Brede, J. Schwöbel, S. Kuck, G. Hoffmann, and R. Wiesendanger*, SPS 09, Poznan (Poland)

**2009-7-19: Adsorption, self assembly, and electronic states of corrole molecules adsorbed on different copper facets**

*L. Lichtenstein, S. Kuck, G. Hoffmann, and R. Wiesendanger*, SPS 09, Poznan (Poland)

**2009-3-27: Superparamagnetic Switching of Two-dimensional Magnetic Islands Studied by Monte Carlo Simulation**

*T. Stapelfeldt, E. Y. Vedmedenko, S. Krause, G. Herzog, and R. Wiesendanger*, 73th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2009-3-27: Superparamagnetic Switching of Two-dimensional Magnetic Islands Studied by Monte Carlo Simulation**

*T. Stapelfeldt, E. Y. Vedmedenko, S. Krause, G. Herzog, and R. Wiesendanger*, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2009-3-25: Adsorption geometry and self assembly of corrole molecules on different copper facets**

*L. Lichtenstein, S. Kuck, G. Hoffmann, R. Wiesendanger*, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2009-3-25: Adsorption of metal phthalocyanines on Cu(111) and Cu(100): A STM study**

*S.-H. Chang, J. Brede, J. Schwöbel, S. Kuck, G. Hoffmann, R. Wiesendanger*, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2009-3-24: Design of an XSTM head for low temperature high magnetic field studies of III-V heterostructures**

*B. Chilian, A. Khajetoorians, J. Wiebe, and R. Wiesendanger*, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2009-3-24: High Order Field Emission Resonances on W(110) and Fe/W(110) studied by Scanning Tunneling Spectroscopy**

*A. Emmenegger, S. Krause, A. Kubetzka, G. Herzog, and R. Wiesendanger*, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2008-10-8: Quantized spin waves in antiferromagnetic spin systems**

*R. Wieser, E. Y. Vedmedenko, and R. Wiesendanger*, International Workshop on Quantum Transport in Nanostructures, Hamburg (Germany)

2008-9-28:

*S. Kuck, J. Brede, S.-H. Chang, G. Hoffmann, and R. Wiesendanger*, SONS Workshop Magnetism at Surfaces, Baden-Baden (Germany)

**2008-9-21: Local Investigation of Paramagnetic Molecular Model Systems**

*J. Brede, G. Hoffmann, and R. Wiesendanger, ICM 2008 - International Conference on Molecule-based Magnets, Florence (Italy)*

**2008-9-15: Crystallites and Wires of Co-Salene on NaCl(001)**

*K. Lämmle, S. Frey, A. Schwarz and R. Wiesendanger, 11th International Conference on Non-Contact Atomic Force Microscopy, Madrid (Spain)*

**2008-9-11: Scanning tunneling microscopy and spectroscopy of self-organized bi-atomic Fe chains on Ir(001)**

*M. Menzel, K. von Bergmann, A. Kubetzka, M. Bode, and R. Wiesendanger, Summer School "Nanomagnetism and Spintronics", Prague (Czech Republic)*

**2008-9-11: Spin-Polarized Scanning Tunneling Microscopy and Spectroscopy**

*G. Herzog, L. Zhou, S. Krause, F. Meier, J. Wiebe, and R. Wiesendanger, 2nd International Summer School of the GrK "Physics of Functional Micro- and Nanostructures", Hamburg (Germany)*

**2008-7-22: Probing Fe/W(001) with magnetic and exchange force microscopy**

*R. Schmidt, C. Lazo, U. H. Pi, V. Caciuc, H. Hölscher, A. Schwarz, R. Wiesendanger and S. Heinze, International Conference on Nanoscience and Technology, Keystone, Colorado (USA)*

**2008-7-22: A New Scanning Tunneling Microscope for Spin-Sensitive Measurements in a Fully Rotatable Magnetic Field**

*M. Gyamfi, S. Meckler, O. Pietzsch, and R. Wiesendanger, International Conference on Nanoscience and Technology, Keystone, Colorado (USA)*

**2008-7-22: Observing the Thermal Switching Behavior of Superparamagnetic Nanoislands by SP-STM**

*G. Herzog, S. Krause, L. Berbil-Bautista, T. Stapelfeldt, E. Vedmedenko, M. Bode, and R. Wiesendanger, International Conference on Nanoscience and Technology, Keystone, Colorado (USA)*

**2008-7-16: Observing the Thermal Switching Behavior of Superparamagnetic Nanoislands by SP-STM**

*G. Herzog, S. Krause, L. Berbil-Bautista, T. Stapelfeldt, E. Vedmedenko, M. Bode, and R. Wiesendanger, NSS5/SP-STM2, Athens, Ohio (USA)*

**2008-3-26: Spin-dependent Image Potential States Studied By SP-STs**

*A. Emmenegger, S. Krause, G. Herzog, A. Kubetzka, D. Haude, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-2-27: Scanning tunneling microscope study of Fe, Co, and Cu- Phthalocyanine growth on metal surfaces**

*S.-H. Chang, A. Scarfato, G. Hoffmann, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-2-27: Design and construction of a 300 mKelvin / 17 Tesla ultrahigh vacuum scanning tunneling microscope for molecular studies**

*J. Schwöbel, M. Nohme, R. Ravlic, J. Wienhausen, G. Hoffmann, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-2-27: STM / STS investigation of porphyrin and corrole molecules on surfaces**

*G. Hoffmann, S. Kuck, J. Brede, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-2-27: Metal coatings prepared by organometallic chemical vapour deposition (OMCVD)**

*J. Wochnowski, T. Göllnitz, G. Hoffmann, R. Wiesendanger, and J. Heck, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-2-26: Design of a vacuum system for the local study of molecules**

*M. Prostak, G. Hoffmann, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-2-26: Development of an UHV Variable Temperature STM**

*T. Eelbo, M. Gyamfi, S. Meckler, O. Pietzsch, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-2-26: Design of an UHV-STM for applications at low temperatures and high magnetic fields**

*M. Menzel, D. Haude, K. von Bergmann, M. Bode, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-2-26: Self-actuating self-sensing cantilever for dynamic AFM**

*H. von Allwörden, A. Schwarz, C. Julian Chen, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-2-26: STM investigation of MBE-grown GaMnAs**

*H. Gutzmann, A. Stemmann, F. Adler, J. Wiebe, F. Marczinowski, C. Heyn, W. Hansen, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-2-26: Analytic formulae for multipole moments of general ellipsoids, elliptic cylinders and prisms**

*N. Mikuszeit, M. Schult, E. Y. Vedmedenko, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-2-26: Einfluss der elektronischen Struktur der Tunnelspitze auf spektroskopische Messungen**

*O. Ferdinand, K. von Bergmann, A. Kubetzka, R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-2-26: A New Scanning Tunneling Microscope for Spin-Sensitive Measurements in Ultrahigh Vacuum, at Low Temperatures, and in High Magnetic Fields**

*M. Gyamfi, S. Meckler, O. Pietzsch and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-2-26: Observation of a spin spiral state in the Mn monolayer on W(001)**

*K. von Bergmann, P. Ferriani, E. Y. Vedmedenko, A. Kubetzka, S. Heinze, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-2-25: Switching the Charge of a Single Mn-Dopant in InAs with the STM in Experiment and Model**

*F. Marczinowski, F. Meier, J. Wiebe, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)*

**2008-1-7: Computer experiments on standing spin wave resonances using Landau-Lifshitz-Gilbert dynamics**

*R. Wieser, E. Y. Vedmedenko and R. Wiesendanger, Dreikönigstreifen Magnetismus '08 New Concepts in Spin Dynamics, Bad Honnef (Germany)*

**2007-9-20: Spin-Polarized Scanning Tunneling Microscopy and Spectroscopy**

*L. Zhou, F. Meier, J. Wiebe, and R. Wiesendanger, 1st International Summer School of the GrK "Physics of Functional Micro- and Nanostructures", Hamburg (Germany)*

**2007-9-18: Growth Study of Salene Molecules on NaCl(001)**

*K. Lämmle, A. Schwarz, and R. Wiesendanger, 10th International Conference on Non-Contact Atomic Force Microscopy, Antalya (Turkey)*

**2007-7-10: A New Scanning Tunneling Microscope for Spin-Sensitive Measurements in Ultrahigh Vacuum, at Low Temperatures, and in High Magnetic Fields**

*M. Gyamfi, S. Meckler, O. Pietzsch, and R. Wiesendanger, SFB491 Summer School 2007 - Magnetic Heterostructures and Nanomagnetism, Schwerte (Germany)*

**2007-7-3: Spin-Resolved Scanning Tunneling Spectroscopy on Individual Adatoms: Cobalt on Platinum(111)**

*J. Wiebe, F. Meier, L. Zhou, K. von Bergmann, P. Ferriani, K. Hashimoto, M. Bode, S. Heinze, and R. Wiesendanger, International Conference on Nanoscience and Technology, Stockholm (Sweden)*

**2007-7-3: AFM-Investigations on nanosized metallic surfaces prepared by organometallic chemical vapour deposition**

*J. Wochnowski, G. Hoffmann, J. Heck, R. Wiesendanger, International Conference on Nanoscience and Technology, Stockholm (Sweden)*

**2007-7-3: STM investigation of Salen-complexes**

*S. Kuck, J. Brede, A. Scarfato, G. Hoffmann, R. Wiesendanger, S. May, J.-P. Kloeckner, M. Prosenc, International Conference on Nanoscience and Technology, Stockholm (Sweden)*

**2007-7-2: Structural and magnetic properties of Fe/W(001) studied by force microscopy**

*R. Schmidt, U. H. Pi, A. Schwarz, and R. Wiesendanger, International Conference on Nanoscience and Technology, Stockholm (Sweden)*

**2007-5-7: Magnetic Molecules in the Scanning Tunneling Microscope**

*G. Hoffmann, S. Kuck, J. Brede, A. Scarfato, and R. Wiesendanger, Colloquium of SPP 1137 "Molekularer Magnetismus", Bad Dürkheim (Germany)*

**2007-3-30: Real-space spectroscopy of spin and Landau levels in the integer quantum Hall regime**

*K. Hashimoto, J. Wiebe, T. Inaoka, M. Morgenstern, and R. Wiesendanger, Frontiers in Nanoscale Science and Technology Workshop, Tokyo (Japan)*

**2007-3-28: Atomic Force Microscopy studies on surfaces prepared by organometallic chemical vapour deposition**

*J. Wochnowski, T. Göllnitz, G. Hoffmann, J. Heck, and R. Wiesendanger, 71st Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)*

**2007-3-27: Thermal Switching Behavior of Superparamagnetic Nanoislands: SP-STM on Fe/W(110)**

*G. Herzog, S. Krause, L. Berbil-Bautista, E. Y. Vedmedenko, M. Bode, and R. Wiesendanger, 71st Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)*

**2007-3-26: Phthalocyanines on Surfaces**

*Stefan Kuck, Jens Brede, François Vonau, Alessandro Scarfato, Gernar Hoffmann, and Roland Wiesendanger*, 71st Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2007-2-22: Landau and Zeeman quantization in the adsorbate-induced two-dimensional electron system on n-type InSb(110)**

*K. Hashimoto, J. Wiebe, M. Morgenstern, and R. Wiesendanger*, International Conference of Nanoelectronics, Nanostructures and Carrier Interactions (NNC12007), Atsugi, Kanagawa (Japan)

**2007-1-17: Novel Nano-Scale Magnetic Structure in the Pseudomorphic Fe Monolayer on Ir(111)**

*K. von Bergmann, S. Heinze, M. Bode, E.Y. Vedmedenko, G. Bihlmayer, S. Blügel, and R. Wiesendanger*, Winter Conference on Condensed Matter 2007, Aspen (USA)

**2007-1-4: Thermal Switching Behavior of Superparamagnetic Nanoislands: SP-STM on Fe/W(110)**

*G. Herzog, S. Krause, L. Berbil-Bautista, E. Y. Vedmedenko, M. Bode, and R. Wiesendanger*, 381th WE-Heraeus-Seminar "Spin-Polarized Currents in Magnetic Nanostructures", Bad Honnef (Germany)

**2007-1-4: Thickness-dependent domain structure of ferromagnetic Dy(0001)/W(110) studied by spin-polarized STM**

*S. Krause, L. Berbil-Bautista, M. Bode, R. Wiesendanger*, 381th WE-Heraeus-Seminar "Spin-Polarized Currents in Magnetic Nanostructures", Bad Honnef (Germany)

**2006-9-6: Magnetic Exchange Force Microscopy**

*A. Schwarz*, Gordon Research Conference on Magnetic Nanostructures, Oxford (UK)

**2006-8-2: Oscillation of the density of states due to magnetic-field-induced localization in a three-dimensional semiconductor system**

*K. Hashimoto, F. Meier, J. Wiebe, D. Haude, M. Morgenstern, and R. Wiesendanger*, International Conference on Nanoscience and Technology, Basel (Switzerland)

**2006-8-2: Insight into the Surprising Magnetism of a Monolayer Fe on Ir(111) by First-Principles Calculations**

*S. Heinze, K. von Bergmann, G. Bihlmayer, M. Bode, E. Vedmedenko, S. Blügel, and R. Wiesendanger*, International Conference on Nanoscience and Technology, Basel (Switzerland)

**2006-8-1: Single Cu-PC molecules on Cu(111) and Au(111)**

*S. Kuck, J. Wienhausen, A. Wachowiak, F. Vonau, G. Hoffmann, and R. Wiesendanger*, International Conference on Nanoscience and Technology, Basel (Switzerland)

**2006-8-1: Atomic Force Microscopy Studies on Catalytic Surfaces**

*J. Wochnowski, T. Göllnitz, G. Hoffmann, J. Heck, and R. Wiesendanger*, International Conference on Nanoscience and Technology, Basel (Switzerland)

**2006-7-31: Temperature-Dependent Spin-Polarized Scanning Tunneling Microscopy and Spectroscopy on the Cr(001) Surface**

*T. Hänke, S. Krause, L. Berbil-Bautista, V. Wagner, D. Lott, A. Schreyer, M. Bode, and R. Wiesendanger*, International Conference on Nanoscience and Technology, Basel (Switzerland)

**2006-7-31: Self-Actuating Self-Sensing Quartz Cantilever for Dynamic Atomic Force Microscopy**

*C. J. Chen, A. Schwarz, R. Wiesendanger, O. Horn, and J. Müller*, International Conference on Nanoscience and Technology, Basel (Switzerland)

**2006-7-26: Scanning Tunneling Spectroscopy on Individual Mn-Acceptors in InAs**

*J. Wiebe, F. Marczinowski, F. Meier, K. Hashimoto, R. Wiesendanger, M. Morgenstern, J.-M. Tang, and M. E. Flatté*, 4th International Conference on Scanning Probe Spectroscopy (SPS'06) and 1st International Workshop on Spin-Polarized Scanning Tunneling Microscopy (SPSTM-1), Hamburg (Germany)

**2006-7-26: Oscillation of the density of states due to magnetic-field-induced localization in a three-dimensional semiconductor system**

*K. Hashimoto, F. Meier, J. Wiebe, D. Haude, M. Morgenstern, and R. Wiesendanger*, 4th International Conference on Scanning Probe Spectroscopy (SPS'06) and 1st International Workshop on Spin-Polarized Scanning Tunneling Microscopy (SPSTM-1), Hamburg (Germany)

**2006-7-26: Growth and electronic structure of ultrathin Chromium films on Iridium(111) Investigated by scanning tunneling microscopy and spectroscopy**

*F. Marczinowski, K. von Bergmann, M. Bode, and R. Wiesendanger*, 4th International Conference on Scanning Probe Spectroscopy (SPS'06) and 1st International Workshop on Spin-Polarized Scanning Tunneling Microscopy (SPSTM-1), Hamburg (Germany)

**2006-7-26: Advances in 3D-Force-Field-Spectroscopy**

*U. Kaiser, A. Schwarz, and R. Wiesendanger*, 4th International Conference on Scanning Probe Spectroscopy (SPS'06) and 1st International Workshop on Spin-Polarized Scanning Tunneling Microscopy (SPSTM-1), Hamburg (Germany)

**2006-7-25: Thermal Switching Behavior of Superparamagnetic Nanoislands: Spin-Polarized STM on Fe/W(110)**

S. Krause, L. Berbil-Bautista, M. Bode, and R. Wiesendanger, 4th International Conference on Scanning Probe Spectroscopy (SPS'06) and 1st International Workshop on Spin-Polarized Scanning Tunneling Microscopy (SPSTM-1), Hamburg (Germany)

**2006-7-25: Image-Potential States on Fe(110)**

A. Kubetzka, M. Bode, and R. Wiesendanger, 4th International Conference on Scanning Probe Spectroscopy (SPS'06) and 1st International Workshop on Spin-Polarized Scanning Tunneling Microscopy (SPSTM-1), Hamburg (Germany)

**2006-7-25: Design of an ultra high vacuum scanning tunneling microscope for low temperature applications**

M. Gyamfi, S. Meckler, O. Pietzsch, and R. Wiesendanger, 4th International Conference on Scanning Probe Spectroscopy (SPS'06) and 1st International Workshop on Spin-Polarized Scanning Tunneling Microscopy (SPSTM-1), Hamburg (Germany)

**2006-7-25: Thickness-dependent domain structure of ferromagnetic Dy(0001)/W(110) films studied by SP-STM**

L. Berbil-Bautista, S. Krause, F. Vonau, M. Bode, and R. Wiesendanger, 4th International Conference on Scanning Probe Spectroscopy (SPS'06) and 1st International Workshop on Spin-Polarized Scanning Tunneling Microscopy (SPSTM-1), Hamburg (Germany)

**2006-7-25: Spin-resolved scanning tunneling spectroscopy of Co nanostructures on Pt(111)**

F. Meier, K. von Bergmann, J. Wiebe, P. Ferriani, M. Bode, K. Hashimoto, S. Heinze, and R. Wiesendanger, 4th International Conference on Scanning Probe Spectroscopy (SPS'06) and 1st International Workshop on Spin-Polarized Scanning Tunneling Microscopy (SPSTM-1), Hamburg (Germany)

**2006-7-25: STS study of Fe monomers and multimers on InAs(110) surfaces**

T. Matsui, C. Meyer, L. Sacharow, and R. Wiesendanger, 28th International Conference on Physics of Semiconductors, Vienna (Austria)

**2006-7-25: Temperature-Dependent Spin-Polarized Scanning Tunneling Microscopy and Spectroscopy on the Cr(001) Surface**

T. Hänke, S. Krause, L. Berbil-Bautista, V. Wagner, M. Bode, D. Lott, A. Schreyer, and R. Wiesendanger, 4th International Conference on Scanning Probe Spectroscopy (SPS'06) and 1st International Workshop on Spin-Polarized Scanning Tunneling Microscopy (SPSTM-1), Hamburg (Germany)

**2006-7-25: Spin-Polarized Rim State in Co Islands on Cu(111)**

O. Pietzsch, S. Heinze, A. Kubetzka, M. Bode, S. Okatov, A. Lichtenstein, and R. Wiesendanger, 4th International Conference on Scanning Probe Spectroscopy (SPS'06) and 1st International Workshop on Spin-Polarized Scanning Tunneling Microscopy (SPSTM-1), Hamburg (Germany)

**2006-3-29: Design of an UHV-STM with a Split Coil Magnet for Low Temperature Applications**

M. Gyamfi, O. Pietzsch, J. C. Chen, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2006-3-29: Two dimensional dopant profiling of semiconductor microdevices with high spatial resolution using High Speed Scanning Capacitance Spectroscopy**

M. v. Sprekelsen and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2006-3-29: Development of an in-situ exchangeable inert Shapal-M-based molecule evaporator**

K. Lämmle, A. Schwarz, R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2006-3-29: STM study of CuPC molecules on Cu(111) and Au(111)**

S. Kuck, A. Wachowiak, G. Hoffmann, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2006-3-29: Improved design for a variable temperature scanning tunneling microscope**

J. Wienhausen, G. Hoffmann, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2006-3-27: Evidences for Flux Line Termination Inside of a Highly Anisotropic Superconductor: A Magnetic Force Microscopy Study**

U. H. Pi, A. Schwarz, M. Liebmann, Z. G. Khim, D. H. Kim, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2006-1-4: The Influence of the W Substrate and its Symmetry onto the Exchange Interaction in ultrathin Fe Nanostructures**

A. Kubetzka, P. Ferriani, M. Bode, S. Heinze, E.Y. Vedmedenko, O. Pietzsch, K. von Bergmann, G. Bihlmayer, S. Blügel, and R. Wiesendanger, 364th WE-Heraeus Seminar Nanoscale Magnets - Top down meets Bottom up, Bad Honnef (Germany)

**2006-1-4: Multipolar ordering and magnetization Reversal in Two-Dimensional Nanomagnet Arrays**

E.Y. Vedmedenko, N. Mikuszeit, H. P. Oepen, and R. Wiesendanger, 364th WE-Heraeus Seminar Nanoscale Magnets - Top down meets Bottom up, Bad Honnef (Germany)

**2005-8-17: Formation of Ag islands on Ag(111) using AFM in the dynamic mode**

R. Schmidt, M. Zeyer-Düsterer, A. Schwarz, and R. Wiesendanger, 8th International Conference on Noncontact Atomic Force Microscopy (NCAFM '05), Bad Essen (Germany)

**2005-7-6: STM/STS Observation of Fe multimers on Semiconductor Surface**

*T. Matsui, C. Meyer, L. Sacharow, and R. Wiesendanger*, 13th International Conference on STM, Sapporo (Japan)

**2005-6-20: Atomic-Resolution Dynamic Force Microscopy and Three-Dimensional Force Field Spectroscopy of Single-Walled Carbon Nanotubes**

*M. Ashino and R. Wiesendanger*, 25th GIF meeting: Nanotubes and Nanowires, Dresden (Germany)

**2005-3-9: Applications of High Speed Scanning Capacitance Spectroscopy for the analysis of semiconductor microdevices**

*M. von Sprekelsen and R. Wiesendanger*, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2005-3-9: Charged and non-charged surface defects on NiO(001) investigated by AFM**

*U. Kaiser, N. Plock, A. Schwarz, and R. Wiesendanger*, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2005-3-4: Evaluation of the Elasticity on Single-walled Carbon Nanotubes on Graphite(0001) with Dynamic Force Spectroscopy**

*T. Behnke, M. Ashino, and R. Wiesendanger*, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2005-3-4: Formation of Ag islands on Ag(111) using atomic force microscopy in the dynamic mode**

*M. Zeyer-Düsterer, R. Schmidt, A. Schwarz, and R. Wiesendanger*, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

**2004-10-13: Atomic resolution three-dimensional force field spectroscopy of single walled carbon nanotubes.**

*M. Ashino, T. Behnke, A. Schwarz, and R. Wiesendanger*, Seeing at the Nanoscale II International Conference, Grenoble (France)

**2004-10-13: Subnanometer Physics Explored by STM and NC-AFM having Tip-Characterization and Tip-Rotation Capabilities**

*C. J. Chen, O. Pietzsch, D. Haude, and R. Wiesendanger*, Seeing at the Nanoscale II International Conference, Grenoble (France)

**2004-9-23: The transition from quantized states to percolation in a strongly disordered two-dimensional electron system investigated by scanning tunneling spectroscopy.**

*J. Wiebe, Chr. Meyer, J.Klijin, M. Morgenstern, and R. Wiesendanger*, International Symposium on Quantum Hall Systems and Quantum Materials, Hamburg (Germany)

**2004-9-23: Wave-function mapping of single-electron states in strain-induced InAs quantum dots by scanning tunneling spectroscopy**

*T. Maltezopoulos, A. Bolz, C. Meyer, M. Janson, D. Haude, C. Heyn, W. Hansen, M. Morgenstern, and R. Wiesendanger*, International Symposium on Quantum Hall Systems and Quantum Materials, Hamburg (Germany)

**2004-9-23: An Ultra High Vacuum Scanning Tunneling Microscope system operating at 300 mK and high magnetic fields.**

*F. Meier, J. Wiebe, A. Wachowiak, D. Haude, M. Morgenstern, and R. Wiesendanger*, International Symposium on Quantum Hall Systems and Quantum Materials, Hamburg (Germany)

**2004-9-12: A Universal Relation in NC-AFM, STM, and Atom Manipulation**

*C. J. Chen*, 7th International Conference on Noncontact Atomic Force Microscopy (NCAFM '04), Seattle, Washington (USA)

**2004-6-20: Wave-function mapping of single-electron states in semiconducting quantum dots by scanning tunneling spectroscopy.**

*M. Janson, T. Maltezopoulos, A. Bolz, C. Meyer, C. Heyn, W. Hansen, M. Morgenstern, and R. Wiesendanger*, NANOSPECTRA Summer School, Porquerolles (France)

**2004-3-10: Dynamic Mode Force Microscopy Studies of Individual Single Wall Nanotubes on HOPG**

*T. Behnke, M. Ashino, A. Schwarz, R. Wiesendanger, K. A. Williams, and C. Dekker*, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2004-3-9: Magnetkraftmikroskopische Untersuchungen ferromagnetischer La<sub>0.7</sub>Ca<sub>0.3</sub>MnO<sub>3-delta</sub>/LaAlO<sub>3</sub>-Filme in variablen Magnetfeldern**

*U. Kaiser, M. Liebmann, A. Schwarz, R. Wiesendanger, U. H. Pi, Z. G. Khim, T. W. Noh and D. W. Kim*, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2004-3-8: Aufbau eines Tieftemperatur-Hochmagnetfeld-Rastertunnelmikroskops mit X-Y-Verschiebetisch und Spitzenwechsel.**

*T. Mashoff, D. Haude, M. Morgenstern, and R. Wiesendanger*, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2004-3-8: Design of a scanning tunneling microscope for variable temperatures in an ultra-high-vacuum environment.**

*S. Kuck, G. Hoffmann, and R. Wiesendanger*, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2004-3-8: Hochauflösende Rasterkapazitätsspektroskopie an Halbleitermikrostrukturen.**

*M. von Sprekelsen, V. Hagen, T. Maltezopoulos, R. Wiesendanger*, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)



**2004-3-8: Untersuchung von Punkt- und Liniendefekten auf der NiO(001)-Spaltfläche mittels Rasterkraftmikroskopie**

*N. Plock, U. Kaiser, A. Schwarz, and R. Wiesendanger*, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2004-3-8: Preparation and characterization of the ferromagnetic III-V-semiconductor In(1-x)Mn(x)As**

*F. Marciniowski, J. Dumont, J. Wiebe, M. Morgenstern, and R. Wiesendanger*, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2004-2-16: From Quantized States to Percolation: Scanning Tunneling Spectroscopy of a Strongly Disordered Two-dimensional Electron System.**

*J. Wiebe, Chr. Meyer, J. Klijn, M. Morgenstern, and R. Wiesendanger*, 13th International Winterschool on New Developments in Solid State Physics, Mauterndorf (Austria)

**2004-2-16: An Ultra High Vacuum Scanning Tunneling Microscope system operating at 300 mK and 14 T.**

*F. Meier, J. Wiebe, A. Wachowiak, D. Haude, M. Morgenstern, and R. Wiesendanger*, 13th International Winterschool on New Developments in Solid State Physics, Mauterndorf (Austria)

**2003-9-2: Domain nucleation and growth of La<sub>0.7</sub>Ca<sub>0.3</sub>MnO<sub>3</sub>-delta/LaAlO<sub>3</sub> films studied by low-temperature magnetic force microscopy.**

*M. Liebmann, U. Kaiser, A. Schwarz, R. Wiesendanger, U. H. Pi, T. W. Noh, D. W. Kim, and Z. G. Khim*, 6th International Conference on Noncontact Atomic Force Microscopy, Dingle (Ireland), Dingle (Ireland)

**2003-8-5: Towards spin polarized imaging of ferromagnet-semiconductor interfaces.**

*M. Morgenstern, A. Wachowiak, J. Wiebe, J. Klijn, Chr. Meyer, M. Bode, and R. Wiesendanger*, 2nd International Conference on Semiconductor Spintronics and Quantum Information Technology, Brügge (Germany)

**2003-7-22: Domain nucleation and growth of ferromagnetic La<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub>/LaAlO<sub>3</sub> films at variable magnetic fields studied with low-temperature MFM.**

*U. Kaiser, M. Liebmann, A. Schwarz, U. H. Pi, Z. G. Khim, T. W. Noh, D. W. Kim, and R. Wiesendanger*, 12th International Conference on STM, Eindhoven (The Netherlands)

**2003-7-3: Scanning Tunneling Spectroscopy of Two-Dimensional Electron Systems in Magnetic Field.**

*M. Morgenstern, J. Klijn, Chr. Meyer, J. Wiebe, and R. Wiesendanger*, International Workshop "Quantum Hall Effect: Past, Present and Future", Stuttgart (Germany)

**2003-6-27: From Quantized States to Percolation: Scanning tunneling spectroscopy of a strongly disordered two-dimensional electron system.**

*J. Wiebe, Chr. Meyer, J. Klijn, M. Morgenstern, and R. Wiesendanger*, Center of Excellence for Low Dimensional Structures, Warsaw (Poland)

**2003-3-24: Eine UHV-Rastertunnelmikroskopieanlage für Messungen bei 300 mK und 14 T.**

*F. Meier, A. Wachowiak, J. Wiebe, D. Haude, M. Morgenstern, and R. Wiesendanger*, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2003-3-24: Aufbau eines UHV-SPSTM für Untersuchungen bei variablen Temperaturen.**

*T. Hänke, S. Krause, M. Bode, and R. Wiesendanger*, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2003-3-24: Hochgeschwindigkeits-Rasterkapazitätsspektroskopie an Halbleitermikrostrukturen - Lokalisierung von pn-Übergängen.**

*M. v. Sprekelsen, J. Isenbart, and R. Wiesendanger*, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2003-3-12: Scanning force microscopy spectroscopy studies of single wall carbon nanotubes including defects.**

*M. Ashino, Th. Maltezopoulos, A. Schwarz, S. G. Lemay, C. Dekker, and R. Wiesendanger*, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

**2003-1-7: Magnetization-Axis Dependent Local Electronic Structure Probed by Scanning Tunneling Spectroscopy.**

*M. Bode, S. Heinze, A. Kubetzka, O. Pietzsch, X. Nie, G. Bihlmayer, S. Blügel, and R. Wiesendanger*, 294. WE-Heraeus-Seminar on Frontiers in Nanomagnetism, Bad Honnef (Germany)

**2003-1-7: Direct Observation of Internal Spin-Structure of Magnetic Vortex Cores.**

*M. Bode, A. Wachowiak, J. Wiebe, O. Pietzsch, M. Morgenstern, and R. Wiesendanger*, 294. WE-Heraeus-Seminar on Frontiers in Nanomagnetism, Bad Honnef (Germany)

**2002-12-5: Magnetic properties of large mass-filtered metal clusters on surfaces studied with soft X-rays.**

*J. Bansmann, A. Kleibert, M. Getzlaff, R. P. Methling, V. Senz, and K. H. Meiwes-Broer*, BESSY-Nutzertreffen, Berlin (Germany)

**2002-9-9: Investigation of Magnetism by Scanning Tunneling Microscopy on the System Fe/W(110).**

*K. von Bergmann, M. Bode, M. Getzlaff, A. Kubetzka, O. Pietzsch, and R. Wiesendanger*, 3rd International Conference on Inorganic Materials, Konstanz (Germany)

**2002-6-1: Scanning Probe Microscopy and Spectroscopy on Semiconductor Quantum Dots.**

*Th. Maltezopoulos, A. Bolz, J. Klijn, Chr. Meyer, V. Hagen, M. Tews, D. Talapin, A. Rogach, Chr. Heyn, M. Morgenstern, and R. Wiesendanger*, Eurosc Conference Cluster-Surface Interactions, Granada (Spain)

**2002-5-7: Rasterkapazitätsmikroskopie und -spektroskopie an Halbleitermikrostrukturen.**

*M. v. Sprekelsen, J. Isenbart, M. Langer, and R. Wiesendanger*, Kongress NanoDE Innovation durch Nanotechnologie, Bonn (Germany)

**2002-5-6: Hochauflösende Abbildung magnetischer Oberflächen.**

*M. Bode, M. Getzlaff, O. Pietzsch, A. Kubetzka, R. Ravlic, and R. Wiesendanger*, NanoDE Innovation durch Nanotechnologie, BMBF, Bonn (Germany)

**2002-5-6: Wachstum und elektronische Struktur ultradünner Manganfilme auf W(110).**

*M. Bode, M. Hennefarth, M. Getzlaff, D. Haude, and R. Wiesendanger*, NanoDE Innovation durch Nanotechnologie, BMBF, Bonn (Germany)

**2002-3-13: Experimentelle Voraussetzungen zur Abbildung magnetischer Austauschkräfte mit einem Rasterkraftmikroskop.**

*S. M. Langkat, and R. Wiesendanger*, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2002-3-13: Kontrolle der strukturellen, elektrischen und magnetischen Eigenschaften oxidbedeckter Co-Schichten mit dem Rasterkraftmikroskop.**

*V. Hagen, M. Getzlaff, M. Bode, and R. Wiesendanger*, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2002-3-13: Rastertunnelmikroskopie und -Spektroskopie an Halbleiter-Quantenpunkten.**

*Th. Maltezopoulos, A. Bolz, J. Klijn, Chr. Meyer, Chr. Heyn, D. Talapin, A. Rogach, M. Morgenstern, and R. Wiesendanger*, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2002-3-12: Aufbau eines temperaturvariablen MOKE-Systems für die Charakterisierung ultradünner, magnetischer Schichten im UHV.**

*F. Meier*, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2002-3-11: Co-p-InAs(110): Ein durch Co-Inseln induziertes zweidimensionales Elektronensystem bestehend aus Elektronenpfützen.**

*J. Wiebe, M. Morgenstern, A. Wachowiak, M. Getzlaff, J. Klijn, L. Plucinski, R. L. Johnson, and R. Wiesendanger*, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2002-3-11: Rastertunnelspektroskopie am adsorbadinduzierten 2DES in Magnetfeldern bis zu 6T.**

*J. Klijn, Chr. Meyer, M. Morgenstern, and R. Wiesendanger*, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2002-3-11: Ab initio Berechnung von Fe- und Nb-Monolagen auf InAs(110).**

*L. Sacharow, Chr. Meyer, J. Klijn, M. Morgenstern, S. Heinze, G. Bihlmayer, S. Blügel and R. Wiesendanger*, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2002-2-27: Two-Dimensional Properties of a Three-Dimensional Electron System in the Extreme Quantum Limit.**

*M. Morgenstern*, 12th Int. Winterschool, Low Dimensional Systems, Mauterndorf (Austria)

**2002-2-27: Local Density of states of a one dimensional conductor confined below a charged step edge.**

*Chr. Meyer, J. Klijn, M. Morgenstern, and R. Wiesendanger*, 12th Int. Winterschool, Low Dimensional Systems, Mauterndorf (Austria)

**2002-2-26: Scanning Tunneling Spectroscopy of an Adsorbate Induced Two Dimensional System on InAs(110).**

*J. Klijn, Chr. Meyer, M. Morgenstern, and R. Wiesendanger*, 12th International Winterschool on New Developments in Solid State Physics/Low-Dimensional Systems: From 2D to Molecules, Mauterndorf (Austria)

**2001-9-22: Two-dimensional properties of a three dimensional electron system in the extreme quantum limit**

*M. Morgenstern, D. Haude, Chr. Meyer, R. Wiesendanger*, 3rd Workshop on Quantum Hall Systems, Gedern (Germany)

**2001-9-11: Low-temperature magnetic force microscopy on manganese perovskites**

*M. Liebmann, A. Schwarz, U. Kaiser, and R. Wiesendanger*, WE-Heraeus-Ferienkurs, Dresden (Germany)

**2001-7-31: Scanning tunneling spectroscopy on adsorbate induced two-dimensional electron systems on InAs(110)**

*J. Klijn, Ch. Meyer, D. Haude, M. Morgenstern, M. Getzlaff, R. Adelung, L. Kipp, M. Skibowski, and R. Wiesendanger*, 14th International Conference on the Electronic Properties of Two-Dimensional Systems, Prague (Czech Republic)

**2001-7-30: Two-dimensional properties of a three-dimensional electron system in the extreme quantum limit**

*M. Morgenstern, D. Haude, and R. Wiesendanger*, 14th International Conference on the Electronic Properties of Two-Dimensional Systems, Prague (Czech Republic)

**2001-7-25: Photoemission on two-dimensional electron system**

*M. Getzlaff, M. Morgenstern, J. Klijn, Chr. Meyer, A. Wachowiak, J. Wiebe, L. Plucinks, R.L. Johnson, R. Adelung, K. Ronagel, L. Kipp, M. Skibowski, and R. Wiesendanger*, 13th International Conference on Vacuum Ultraviolet Radiation Physics VUV/XIII, Trieste (Italy)

**2001-7-18: The near-surface two-dimensional electron system on InAs(110) investigated by scanning tunneling spectroscopy and photoelectron spectroscopy**

*M. Morgenstern, M. Getzlaff, J. Wiebe, D. Haude, J. Klijn, Chr. Meyer, A. Wachowiak, R. Wiesendanger, R. Brochier, L. Plucinks, R. L. Johnson, R. Adelung, L. Kipp, and M. Skibowski*, 11th International Conference on STM, Vancouver (Canada)

**2001-7-17: Non-contact Scanning Force Microscopy on Transition Metal Oxides**

*S. Langkat, W. Allers, and R. Wiesendanger*, 11th International Conference on STM, Vancouver (Canada)

**2001-7-16: Magnetism of Nanoscale Islands investigated by SP-STM/STS**

*A. Kubetzka, O. Pietzsch, M. Bode, and R. Wiesendanger*, 11th International Conference on STM, Vancouver (Canada)

**2001-7-16: A Scanning Tunneling Microscope for Ultra High Vacuum Investigations at 300mK**

*A. Wachowiak, J. Wiebe, D. Haude, M. Morgenstern, and R. Wiesendanger*, 11th International Conference on STM, Vancouver (Canada)

**2001-7-16: Investigation of perovskite manganites with a 5T low temperature force microscope in UHV**

*A. Schwarz, M. Liebmann, U.H. Pi, D.W. Kim, T.W. Noh, Z.G. Khim, and R. Wiesendanger*, 11th International Conference on STM, Vancouver (Canada)

**2001-6-27: Magnetic dichroism study on interfacial magnetism**

*M. Getzlaff and R. Wiesendanger*, Symposium on Magnetic Multilayers, MML '01, Aachen (Germany)

**2001-6-25: Properties of Fe/Cr(001) Studied by MFM and SP-STM**

*R. Ravlic, M. Kleiber, M. Bode, and R. Wiesendanger*, Symposium on Magnetic Multilayers, MML '01, Aachen (Germany)

**2001-3-28: UHV-Tiefemperatur-Magnetkraftmikroskop mit 5T-Magnet und xy-Verschiebetisch: Aufbau und Test**

*M. Liebmann, A. Schwarz, and R. Wiesendanger*, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

**2001-3-28: Rastertunnelmikroskopie an Halbleiter-Clustern**

*Th. Maltezopoulos, M. Morgenstern, A. Rogach, S. Haubold, M. Tews, and R. Wiesendanger*, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

**2001-3-28: Aufbau eines Tieftemperatur-Rasterkraftmikroskops**

*L. Tröger, W. Allers, and R. Wiesendanger*, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

**2001-3-27: Korrelation struktureller und magnetischer Eigenschaften ultradünner Fe-Filme auf W(110) mittels SP-STM/STS**

*A. Kubetzka, O. Pietzsch, M. Bode, and R. Wiesendanger*, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

**2001-3-26: Die Atomare Auflösung auf InAs(110)**

*Chr. Meyer, J. Klijn, L. Sacharow, M. Morgenstern, and R. Wiesendanger*, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

**2001-1-26: Photoelectron spectroscopy and scanning tunneling spectroscopy of adsorbate induced two-dimensional electron systems**

*J. Klijn, Chr. Meyer, M. Getzlaff, M. Morgenstern, R. Wiesendanger, R. Brochier, L. Plucinski, R.L. Johnson, R. Adelung, L. Kipp, and M. Skibowski*, Hasylab User's Meeting "Research with Synchrotron Radiation", Hamburg (Germany)

**2000-9-7: Thin film growth of GdFe<sub>2</sub> intermetallics**

*M. Getzlaff, R. Pascal, Ch. Zarnitz, and R. Wiesendanger*, ECOSS-19, Madrid (Spain)

**2000-9-7: Magnetic properties of Pd overlayers on Fe(110)**

*M. Getzlaff and R. Wiesendanger*, ECOSS-19, Madrid (Spain)

**2000-9-7: Dispersion behavior of a two-dimensional electron gas induced by Nb on OnAs(110)**

*M. Getzlaff, M. Morgenstern, Ch. Meyer, J. Klijn, R. Brochier, R.L. Johnson and R. Wiesendanger*, ECOSS-19, Madrid (Spain)

2000-9-6: **Ferromagnetic nanowires and nanodots: imaging of magnetic domains by spin polarized scanning tunneling spectroscopy**

*O. Pietzsch, A. Kubetzka, M. Bode, M. Getzlaff, and R. Wiesendanger*, ECOSS-19, Madrid (Spain)

2000-7-21: **Chemical imaging of Gd on Fe(110) and Fe on Gd(0001) nanostructures**

*M. Getzlaff, Ch. Zarnitz, L. Busse, and R. Wiesendanger*, 2nd International Conference on Scanning Probe Spectroscopy, Hamburg (Germany)

2000-7-21: **Real Space Imaging of Surface Antiferromagnetism on the Atomic Scale**

*S. Heinze, M. Bode, A. Kubetzka, D. Wortmann, Ph. Kurz, O. Pietzsch, X. Nie, S. Blügel, and R. Wiesendanger*, 2nd International Conference on Scanning Probe Spectroscopy, Hamburg (Germany)

2000-7-21: **A STS Study of the Cr(001) Surface**

*M. Kleiber, R. Ravić, M. Bode, and R. Wiesendanger*, 2nd International Conference on Scanning Probe Spectroscopy, and 30th IUVSTA Workshop, Hamburg (Germany)

2000-7-21: **Direct Visualization of Dipolar Antiferromagnetically coupled Nanowires by Spin Polarized Scanning Tunneling Spectroscopy**

*O. Pietzsch, A. Kubetzka, M. Bode, and R. Wiesendanger*, 2nd International Conference on Scanning Probe Spectroscopy, and 30th IUVSTA Workshop, Hamburg (Germany)

2000-7-19: **Determination and analysis of tip-sample interaction forces by dynamic force spectroscopy**

*H. Hölscher, W. Allers, A. Schwarz, U. D. Schwarz, and R. Wiesendanger*, 2nd International Conference on Scanning Probe Spectroscopy, Hamburg (Germany)

2000-7-16: **Investigation of the swelling of human skin cells in liquid media by tapping mode scanning force microscopy**

*T. Richter, J. H. Müller, U. D. Schwarz, and R. Wiesendanger*, Third International Workshop on Non-Contact Atomic Force Microscopy, Hamburg (Germany)

2000-7-16: **A cryogenic scanning force microscope for the imaging of frozen biological samples in non-contact mode**

*J. H. Müller, U. D. Schwarz, R. Wepf, and R. Wiesendanger*, Third International Workshop on Non-Contact Atomic Force Microscopy, Hamburg (Germany)

2000-7-16: **Interpretation of "true atomic" resolution images in non-contact atomic force microscopy**

*H. Hölscher, W. Allers, A. Schwarz, U. D. Schwarz, and R. Wiesendanger*, Third International Workshop on Non-Contact Atomic Force Microscopy, Hamburg (Germany)

2000-7-6: **Magnetic field induced localization in a semiconductor 3DEG imaged with scanning tunneling microscopy**

*M. Morgenstern*, Workshop "Quantum Hall Effect", Schloß Ringberg (Germany)

2000-7-3: **The Fe induced two dimensional electron gas at the surface of InAs(110)**

*M. Morgenstern*, Symposium on Spin Electronics, Halle (Germany)

2000-6-21: **Scanning tunneling spectroscopy of the Fe-induced two dimensional electron gas on InAs(110)**

*J. Klijn, D. Haude, M. Getzlaff, Chr. Meyer, R.L. Johnson, M. Morgenstern, and R. Wiesendanger*, Second International Conference on Scanning Probe Spectroscopy, Hamburg (Germany)

2000-6-14: **A nanoscale view to Landau oscillations and spin splitting of a quantum dot**

*M. Morgenstern*, WE-Hereaus Workshop "Interacting Electrons in Nanostructures", Bad Honnef (Germany)

2000-3-30: **Das Wachstum von Niob auf InAs(110)**

*Chr. Meyer, J. Wiebe, M. Morgenstern, and R. Wiesendanger*, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-27: **Deposition von InAs-Clustern auf HOPG**

*Th. Maltezopoulos, M. Morgenstern, S. Haubold and R. Wiesendanger*, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-27: **Aufbau einer (300 mK / 14T)- Rastertunnelmikroskopie-Anlage**

*A. Wachowiak, J. Wiebe, D. Haude, M. Morgenstern, and R. Wiesendanger*, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-27: **Kryo-Rasterkraftmikroskopie im Nichtkontaktbetrieb zur Charakterisierung biologischer Proben**

*J. H. Müller, U. D. Schwarz, and R. Wiesendanger*, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2000-3-27: Tieftemperatur-Rasterkraftmikroskop mit 3D-Probenpositionierung und atomarer Auflösung**

*S. Langkat, W. Allers, U. D. Schwarz, and R. Wiesendanger*, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2000-3-27: Analyse der Spitze-Probe-Wechselwirkung im dynamischen Modus der Rasterkraftmikroskopie**

*W. Allers, H. Hölscher, A. Schwarz, U. D. Schwarz, and R. Wiesendanger*, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2000-3-27: Untersuchung des Quellverhaltens menschlicher Hautzellen in verschiedenen Medien mittels Rasterkraftmikroskopie**

*T. Richter, J. H. Müller, U. D. Schwarz, and R. Wiesendanger*, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**2000-3-16: Direct Visualization of Dipolar Antiferromagnetically coupled Nanowires by Spin Polarized Scanning Tunneling Spectroscopy**

*O. Pietzsch, A. Kubetzka, M. Bode, and R. Wiesendanger*, 18th General Conference of the Condensed Matter Division, the European Physical Society, Montreux (Switzerland)

**2000-3-14: IC-Charakterisierung mittels Rastersondenmethoden**

*A. Wehner, V. Hagen, A. Born, and R. Wiesendanger*, Digital Instruments- Veeco Usermeeting, Mainz (Germany)

**2000-3-14: Untersuchung des Quellverhaltens menschlicher Hautzellen in verschiedenen Medien mittels Rasterkraftmikroskopie**

*T. Richter, J. H. Müller, U. D. Schwarz, and R. Wiesendanger*, Digital Instruments-Veeco User Meeting, Mainz (Germany)

**2000-2-23: A nanoscale view to Landau oscillations and spin splitting of a quantum dot**

*M. Morgenstern*, 11. Int. Winterschule Mauterndorf: Low Dimensional Systems: Fundamentals and Applications, Mauterndorf (Austria)

**2000-2-14: Real-space observation of dipolar antiferromagnetism in magnetic nanowires by spin-polarized scanning tunneling microscopy**

*M. Bode, O. Pietzsch, A. Kubetzka, and R. Wiesendanger*, 3rd Gordon Research Conference on Magnetic Nanostructures, Ventura, California (USA)

**2000-1-5: Ab Initio Calculations of Tunneling through MgO Barriers on Fe(001)**

*S. Heinze, D. Wortmann, G. Bihlmayer, and S. Blügel*, 228. WE-Heraeus-Seminar on Metal-Nonmetal Structures for Magnetoelectronics, Bad Honnef (Germany)

**2000-1-5: Real-space observation of dipolar antiferromagnetism in magnetic nanowires by spin-polarized scanning tunneling spectroscopy**

*M. Bode, O. Pietzsch, A. Kubetzka, and R. Wiesendanger*, 228. WE-Heraeus-Seminar on Metal-Nonmetal Structures for Magnetoelectronics, Bad Honnef (Germany)

**1999-11-30: Surface modifications due to hydrogen induced plastic deformation**

*A. Pundt, M. Getzlaff, M. Bode, R. Wiesendanger, and R. Kirchheim*, Symposium "Thin films Stresses and Mechanical Properties VIII", Boston (USA)

**1999-11-18: Theoretical analysis of STM and STS on magnetic thin films**

*S. Heinze, T. Asada, and S. Blügel*, 44th Annual Conference on Magnetism and Magnetic Materials, San Jose, California (USA)

**1999-9-23: Plastic deformation of rare earth metal thin films during hydrogen absorption**

*M. Getzlaff, Ch. Zarnitz, A. Pundt, M. Bode, R. Kirchheim, and R. Wiesendanger*, European Conference of Surface Science, Vienna (Austria)

**1999-9-23: ARUPS-investigation of the Fe induced Fermi-level shift and the two-dimensional electron gas at the InAs(110) surface**

*M. Morgenstern, M. Getzlaff, D. Haude, R. L. Johnson, and R. Wiesendanger*, European Conference of Surface Science, Vienna (Austria)

**1999-9-23: Epitaxial cobalt films on W(110) - an experimental and theoretical photoemission study with polarized synchrotron radiation**

*J. Bansmann, M. Getzlaff, M. Fluchtmann, and J. Braun*, European Conference of Surface Science, Vienna (Austria)

**1999-9-22: Magnetic domain imaging by spin-polarized vacuum tunneling**

*M. Getzlaff, M. Bode, and R. Wiesendanger*, European Conference of Surface Science, Vienna (Austria)

**1999-9-21: STM investigation of structural and electronic properties of Fe on Gd(0001) and Gd on Fe(110)**

*Ch. Zarnitz, L. Busse, T. Liu, M. Bode, M. Getzlaff, and R. Wiesendanger*, European Conference of Surface Science, Vienna (Austria)

**1999-8-31: Analysing the tip-sample interaction in dynamic mode scanning force microscopy**

*W. Allers, H. Hölscher, U. D. Schwarz, A. Schwarz, and R. Wiesendanger*, 2nd International Workshop on Noncontact Atomic Force Microscopy (NCAFM '99), Pontresina (Switzerland)

**1999-8-31: Screened Coulomb potentials of doping atoms in InAs detected by scanning force microscopy in the dynamic mode**

*A. Schwarz, W. Allers, U. D. Schwarz, and R. Wiesendanger*, Second International Workshop on Noncontact Atomic Force Microscopy, Pontresina (Switzerland)

**1999-8-31: Analysing the tip-sample interaction in dynamic mode scanning force microscopy**

*W. Allers, H. Hölscher, U. D. Schwarz, A. Schwarz, and R. Wiesendanger*, 2nd International Workshop on Noncontact Atomic Force Microscopy (NCAFM '99), Pontresina (Switzerland)

**1999-7-26: Hydrogen-induced plastic deformation of Gd thin films**

*M. Getzlaff, A. Pundt, M. Bode, R. Kirchheim, and R. Wiesendanger*, ICSOS-6, Vancouver (Canada)

**1999-7-26: Preparation of high-quality GdFe<sub>2</sub> alloys**

*M. Getzlaff, R. Pascal, Ch. Zarnitz, L. Busse, M. Bode, and R. Wiesendanger*, ICSOS-6, Vancouver (Canada)

**1999-7-21: Scanning Capacitance Microscopy and Spectroscopy on Semiconductor Devices**

*A. Born, J. Isenbart and R. Wiesendanger*, 10th International Conference on STM, Seoul (South Korea)

**1999-7-21: Temperature dependent surface electronic structure of a local-moment magnet: Tb(0001)**

*M. Bode, M. Getzlaff, A. Kubetzka, R. Pascal, O. Pietzsch, and R. Wiesendanger*, 10th International Conference on STM, Seoul (South Korea)

**1999-7-20: Surface modifications due to hydrogen induced plastic deformation of Gd films**

*A. Pundt, M. Getzlaff, M. Bode, R. Wiesendanger, and R. Kirchheim*, Gordon Research Conference "Metal-hydrogen systems", Henniker (USA)

**1999-7-19: Ordered GdFe<sub>2</sub> - alloy formation: structure and electronic properties**

*M. Getzlaff, R. Pascal, Ch. Zarnitz, L. Busse, M. Bode, and R. Wiesendanger*, 10th International Conference on STM, Seoul (South Korea)

**1999-7-19: What can be learnt by non-spinpolarized Scanning Tunneling Microscopy about surface magnetism of Cr and Mn on Fe(001)?**

*S. Heinze, S. Blügel, and R. Wiesendanger*, 10th International Conference on STM, Seoul (South Korea)

**1999-7-19: Imaging of hydrogen-induced plastic deformation of Gadolinium**

*M. Getzlaff, A. Pundt, M. Bode, R. Kirchheim and R. Wiesendanger*, 10th International Conference on STM, Seoul (South Korea)

**1999-7-18: Point defects on cleaved n-InAs(110)-(1x1) investigated with dynamic scanning force microscopy in ultrahigh vacuum and at low temperatures**

*A. Schwarz, W. Allers, U. D. Schwarz, and R. Wiesendanger*, 10th International Conference on STM, Seoul (South Korea)

**1999-7-18: Dynamic scanning force microscopy at low temperatures on van der Waals surfaces: graphite (0001) and xenon (111)**

*W. Allers, A. Schwarz, U. D. Schwarz, and R. Wiesendanger*, 10th International Conference on STM, Seoul (South Korea)

**1999-3-25: Neues UHV-Tiefemperatur-STM mit Magnetrkryostat**

*O. Pietzsch, A. Kubetzka, M. Bode, and R. Wiesendanger*, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

**1999-3-22: Analyse des Kontrastmechanismus in der dynamischen Rasterkraftmikroskopie**

*U. D. Schwarz, H. Hölscher, and R. Wiesendanger*, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

**1999-3-22: Untersuchung des Fe induzierten zweidimensionalen Elektronengases auf InAs(110) mittels STM und UPS**

*D. Haude, M. Morgenstern, Chr. Wittneven, R. Dombrowski, M. Getzlaff, and R. Wiesendanger*, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

**1999-2-22: Analyse der Frequenzverschiebung in der dynamischen Rasterkraftmikroskopie**

*H. Hölscher, A. Schwarz, U. D. Schwarz, W. Allers, and R. Wiesendanger*, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

**1999-1-20: Coverage Dependence of Fe-induced Fermi Level Pinning in the Conduction Band of InAs(110)**

*M. Morgenstern, M. Getzlaff, D. Haude, R. L. Johnson, and R. Wiesendanger*, User-Treffen des Hamburger Synchrotronstrahlungslabors HASYLAB, Hamburg (Germany)

**1999-1-5: STM study of GdFe<sub>2</sub> alloy formation**

*M. Getzlaff, R. Pascal, H. Tödter, M. Bode, and R. Wiesendanger*, 211. WE-Heraeus Seminar (Magnetic Nanostructures), Bad Honnef (Germany)

**1999-1-5: Magnetic surfaces under static external electric fields**

*X. Nie, S. Heinze, M. Weinert, and S. Blügel*, 211. WE-Heraeus Seminar (Magnetic Nanostructures), Bad Honnef (Germany)

**1999-1-5: Electronic properties of rare-earth metal (0001) surfaces and their relevance for the development of spin-polarized scanning tunneling spectroscopy**

*M. Bode, M. Getzlaff, R. Pascal, and R. Wiesendanger*, 211. WE-Heraeus Seminar (Magnetic Nanostructures), Bad Honnef (Germany)

**1998-11-9: Analysis of nonlinear dynamics in scanning force microscopy**

*H. Hölscher, U. D. Schwarz, A. Schwarz, W. Allers, O. Zwörner und R. Wiesendanger*, 186th WE-Heraeus-Seminar on "Statistical Mechanics, Nonlinear Dynamics and Turbulence", Marburg (Germany)

**1998-11-5: Growth of ultrathin Mn films on W(110)**

*M. Bode, M. Hennefarth, G. Getzlaff, and R. Wiesendanger*, AVS 98, Baltimore (USA)

**1998-9-3: Adsorption of hydrogen on structured gadolinium**

*M. Getzlaff, M. Bode, and R. Wiesendanger*, ICEM-14, Cancun (Mexico)

**1998-9-3: From Gd to ordered GdFe alloys**

*M. Getzlaff, M. Bode, and R. Wiesendanger*, ICEM-14, Cancun (Mexico)

**1998-9-2: Growth of ultrathin Mn films on W(110)**

*M. Bode, M. Hennefarth, G. Getzlaff, and R. Wiesendanger*, ICSS-10, Birmingham (Great Britain)

**1998-7-9: Characterization of ordered GdFe alloys**

*M. Getzlaff, R. Pascal, H. Tödter, M. Bode, and R. Wiesendanger*, ICSFS-9, Copenhagen (Denmark)

**1998-7-7: Ultrathin Mn films on W(110)**

*M. Getzlaff, M. Hennefarth, M. Bode, and R. Wiesendanger*, ICSFS-9, Copenhagen (Denmark)

**1998-7-7: The adsorption process of hydrogen on Gd(0001)**

*M. Getzlaff, R. Pascal, M. Bode, and R. Wiesendanger*, ICSFS-9, Copenhagen (Denmark)

**1998-3-26: Analyse des Abbildungsprozesses in der Kontaktkraftmikroskopie auf atomarer Skala**

*U. D. Schwarz, H. Hölscher, W. Raberg, A. Hasbach, R. Wiesendanger and K. Wandelt*, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**1998-3-24: Herstellung und Charakterisierung von metallischen Dots mit quantisierter z-Magnetisierung**

*K. Brooks, G. Meier, D. Grundler, M. Kleiber, D. Heitmann, and R. Wiesendanger*, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**1998-3-24: Design eines temperaturvariablen Rasterkraftmikroskops zur Charakterisierung organischer Proben**

*J. H. Müller, U. D. Schwarz, and R. Wiesendanger*, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**1998-3-23: Wachstum und elektronische Struktur ultradünner Mn-Filme auf W(110)**

*M. Hennefarth, D. Haude, M. Bode, M. Getzlaff, and R. Wiesendanger*, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

**1998-3-17: Consequences of the "stick-slip" movement in scanning force microscopy**

*H. Hölscher, U. D. Schwarz, and R. Wiesendanger*, Spring Conference of the German Physical Society, Münster (Germany)

**1998-3-17: From Gd to ordered GdFe alloys - structure and electronic properties**

*M. Getzlaff, R. Pascal, H. Tödter, M. Bode, and R. Wiesendanger*, Workshop "Magnetism and electronic correlations in local-moment systems: Rare earth elements and compounds", Wandlitz (Germany)

**1997-10-21: Variable Temperature Scanning Tunneling Spectroscopy of Gd(0001) Surface States**

*M. Bode, M. Getzlaff, S. Heinze and R. Wiesendanger*, AVS97, San Jose (USA)

**1997-9-18: Electronic structure of hydrogen on Gd(0001)/W(110)**

*M. Getzlaff, M. Bode, and R. Wiesendanger*, ECOSS-17, Enschede (The Netherlands)

**1997-9-17: Magnetic Dichroism in Photoemission from oxygen adsorbed on iron and cobalt surfaces**

*J. Bansmann, L. Lu, and M. Getzlaff*, ECOSS-17, Enschede (The Netherlands)

**1997-9-17: Valence Band Photoemission from thin Fe Films: A Comparison of Experimental and Theoretical Results**

*J. Bansmann, M. Getzlaff, G. Schönhense, M. Fluchtmann, and J. Brau*, ECOSS-17, Enschede (The Netherlands)

**1997-9-17: Electronic structure of hydrogen on Gd(0001)/W(110)**

*M. Getzlaff, M. Bode, and R. Wiesendanger*, ECOSS-17, Enschede (The Netherlands)

**1997-8-16: Hochgeschwindigkeits-Rastersondenmikroskop für Massenspeicheranwendungen**

*A. Born, C. Wobbe, and R. Wiesendanger, Forschungsforum '97, Leipzig (Germany)*

**1997-7-22: Atomic and local electronic structure of Gd/W(110) in the submonolayer regime**

*C. Zarnitz, R. Pascal, M. Bode, and R. Wiesendanger, 9th International Conference on STM, Hamburg (Germany)*

**1997-7-22: Nanostructural and local electronic properties of Fe/W(110): Scanning Tunneling Spectroscopy and ab-initio calculations**

*M. Bode, R. Pascal, S. Heinze, S. Blügel, and R. Wiesendanger, 9th International Conference on STM, Hamburg (Germany)*

**1997-7-21: Analysis of electrical breakdown failures by means of SFM based methods**

*A. Born, A. Olbrich, M. Maywald, and R. Wiesendanger, 9th International Conference on STM, Hamburg (Germany)*

**1997-7-21: Development of UHV magnetic force microscopy and its application to studies of domain structures of ultrathin Co films**

*M. Dreyer, A. Wadas, M. Löhndorf, and R. Wiesendanger, 9th International Conference on STM, Hamburg (Germany)*

**1997-7-21: A UHV Scanning Tunneling Microscope for in-situ Studies of Thin Film Growth**

*D. Haude, U. Mick, Ch. Witt, M. Bode, and R. Wiesendanger, 9th International Conference on STM, Hamburg (Germany)*

**1997-7-21: The velocity dependence of frictional forces in scanning force microscopy**

*H. Hölscher, O. Zwörner, and U. D. Schwarz, 9th International Conference on STM, Hamburg (Germany)*

**1997-7-21: Quantitative analysis of the frictional properties of carbon compounds eratures using friction force spectroscopy**

*O. Zwörner, U. D. Schwarz, and R. Wiesendanger, 9th International Conference on STM, Hamburg (Germany)*

**1997-7-21: Scanning Tunneling Spectroscopy of Tb(0001)/W(110)**

*H. Tödter, R. Pascal, M. Bode, M. Getzlaff, and R. Wiesendanger, 9th International Conference on STM, Hamburg (Germany)*

**1997-5-30: Electronic structure of hydrogen on Gd(0001)/W(110)**

*M. Getzlaff, M. Bode, and R. Wiesendanger, NCSS-4, Ålesund (Norway)*

**1997-4-7: Simulation of a scanned tip im scanning force microscopy**

*H. Hölscher, U. D. Schwarz, and R. Wiesendanger, European Workshop on Microtechnology and Scanning Probe Microscopy, Mainz (Germany)*

**1997-4-7: Quantitatively reproducible measurement of frictional forces in scanning force microscopy using well-defined tips**

*U. D. Schwarz, O. Zwörner, P. Köster, and R. Wiesendanger, European Workshop on Microtechnology and Scanning Probe Microscopy, Mainz (Germany)*

**1997-3-19: Aufbau eines Hochgeschwindigkeits-Rasterkapazitätsmikroskops**

*A. Born, and R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)*

**1997-3-19: Aufbau eines UHV-Rastertunnelmikroskops zur Untersuchung der Wachstumsstadien dünner Schichten.**

*D. Haude, Chr. Witt, M. Bode und R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)*

**1997-3-19: UHV-Rastertunnelmikroskopie und -spektroskopie auf p-InAs(110)**

*W. Kresse, M. Bode und R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)*

**1997-3-19: Untersuchung der atomaren und lokalen elektronischen Struktur von Gd/W(110) mittels STM und STS**

*R. Pascal, Chr. Zarnitz, M. Bode und R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)*

**1997-3-19: Untersuchung des Wachstums von Gadolinium auf W(110) mittels Rastertunnelmikroskopie**

*R. Pascal, Chr. Zarnitz, M. Bode und R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)*

**1997-3-17: Force spectroscopical measurements of the velocity dependence of lateral forces**

*O. Zwörner, U. D. Schwarz, H. Hölscher, and R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)*

**1997-3-17: A UHV Scanning Tunneling Microscope for in-situ Studies of Thin Film Growth**

*D. Haude, U. Mick, Ch. Witt, M. Bode, and R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)*

**1997-1-6: Elektronische und magnetische Eigenschaften**

*M. Getzlaff, J. Bansmann, L. Lu, and K.H. Meiwes-Broer, 168. WE-Heraeus-Seminar: Kobaltinseln auf W(110), Bad Honnef (Germany)*



1996-11-4: **Modelling of the scan process in friction force microscopy**

*H. Hölscher, U.D. Schwarz, and R. Wiesendanger*, 167th Seminar of the WE-Heraeus Foundation on Non-linear Physics of Complex Systems, Bad Honnef (Germany)

1996-6-16: **Simulation of atomic-scale processes in friction force microscopy**

*H. Hölscher, U.D. Schwarz, and R. Wiesendanger*, NATO ASI workshop on Micro-/Nanotribology and Its Applications, Sesimbra (Portugal)

1996-4-10: **Magnetic force microscopy in UHV**

*A. Wadas, M. Dreyer, M. Löhndorf, R. Wiesendanger*, INTERMAG '96, Seattle (USA)

1996-3-28: **Simulation of the measuring process in friction force microscopy**

*H. Hölscher, U.D. Schwarz, and R. Wiesendanger*, 60th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1996-3-27: **Loading-force dependent studies of topography and friction of particle traces in mica by means of scanning probe methods**

*M. Seider, U.D. Schwarz, and R. Wiesendanger*, 60th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1996-3-27: **Realisierung eines Rasterthermomikroskops und Anwendungen auf integrierte Schaltungen**

*J. Asmussen and R. Wiesendanger*, 60th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1996-3-27: **Strukturierung und Analyse von Nanostrukturen mittels eines Rasterkapazitätsmikroskops**

*A. Born, C. Wobbe, and R. Wiesendanger*, 60th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1996-3-27: **Nanostrukturierung und Charakterisierung von Mikrobrücken aus Niob**

*C.Y. Hahn, T. Matsuyama, U. Merkt, and R. Wiesendanger*, 60th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)