

Scanning Probe Methods Group, Prof. Dr. Roland Wiesendanger

Publications: Posters

Date of issue: 2024-04-26

2024-3-17: Classification of complex 2D magnetic ground states using unsupervised Contrastive Learning

J. Neuhaus-Steinmetz, *T. Matthies*, E. Vedmedenko, T. Posske, and R. Wiesendanger, DPG-Frühjahrstagung der Sektion Kondensierte Materie (SKM), Berlin (Germany)

2023-5-21: Measuring thermal spin-transfer torque using spin-polarized scanning tunneling microscopy

C. Friesen and R. Wiesendanger, Spin Caloritronics XII Conference, Tsukuba, Ibaraki (Japan)

2023-3-28: Design and set-up of an optomechanical readout apparatus to characterize magnetic field sensors encompassing high-Q-resonators down to 4 K

T. Hänke, *D. Mungpara*, and A. Schwarz, DPG Spring Meeting of the Condensed Matter Section (SKM) 2023, Dresden (Germany)

2023-3-27: Design and set-up of an optomechanical readout apparatus to characterize magnetic field sensors encompassing high-Q-resonators down to 4 K

T. Hänke, D. Mungpara, and *A. Schwarz*, DPG Spring Meeting of the Condensed Matter Section (SKM) 2023, Dresden (Germany)

2023-3-27: Preparation and STM study of clean Nb(111) surfaces

J. Goedecke, M. Bazarnik, and R. Wiesendanger, DPG Spring Meeting of the Condensed Matter Section (SKM), Dresden (Germany)

2023-3-26: Growth and magnetism of ultrathin Fe films on Ta(110)

R. Brüning, R. Lo Conte, K. von Bergmann, and R. Wiesendanger, DPG Spring Meeting of the Condensed Matter Section (SKM) 2023, Dresden (Germany)

2022-9-19: Topological Characterization of Dynamic Chiral Magnetic Textures Using Machine Learning

T. Matthies, A. F. Schäffer, T. Posske, R. Wiesendanger, and E. Y. Vedmedenko, ML-Konferenz - Machine Learning in Natural Sciences: From Quantum Physics to Nanoscience and Structural Biology, Hamburg (Germany)

2022-9-11: Exploring the antiferromagnetic ground states and domain walls of Mn bi and tri-layers on Ir(111) by SP-STM

V. Saxena, ESM 2022, Saarbrücken (Germany)

2022-9-8: Study of Magnetism and Subgap States of Fe Monolayer Reconstructions on Nb(110)

J. Goedecke, L. Schneider, Y. Ma, K. Ton That, D. Wang, J. Wiebe, and R. Wiesendanger, DPG Meeting of the Condensed Matter Section (SKM), Regensburg (Germany)

2022-9-8: Correlation of Magnetism and Disordered Shiba bands in Fe Monolayer Islands on Nb(110)

K. Ton, J. Goedecke, L. Schneider, Y. Ma, D. Wang, J. Wiebe and R. Wiesendanger, DPG der Sektion Kondensierte Materie (SKM), Regensburg (Germany)

2022-8-1: A novel method akin to magnetic force microscopy to sense tiny bio-magnetic fields using magnetically sensitive resonators

A. Schwarz, NC-AFM 2022, Nijmegen (The Netherlands)

2022-7-25: Magnetism and growth of a Mn monolayer on Ir(111) investigated by SP STM

A. Rodriguez Sota, V. Saxena, A. Kubetzka, R. Wiesendanger, and K. von Bergmann, JEMS conference, Warsaw (Poland)

2022-7-25: Exploring the magnetic ground states in different layers of Mn on Ir(111) by SP-STM

V. Saxena, A. Rodriguez Sota, R. Wiesendanger, and K. von Bergmann, JEMS conference, Warsaw (Poland)

2022-6-21: Tuning Yu-Shiba-Rusinov states via a 2D surface state confined in a quantum corral

L. Schneider, K. That Ton, J. Neuhaus-Steinmetz, T. Posske, J. Wiebe, and R. Wiesendanger, II International conference on Novel 2D-SPM, Donostia San Sebastian (Spain)

2022-6-20: Coexistence of Antiferromagnetism and Superconductivity in pseudomorphic Mn ultra-thin films on Nb(110)

R. Lo Conte, M. Bazarnik, K. Palotas, L. Rozsa, L. Szunyogh, E. Mascot, D. Morr, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, II International conference on Novel 2D-SPM, Donostia, San Sebastian (Spain)

2022-5-30: Correlation of Magnetism and Disordered Shiba Bands in Fe Monolayer Islands on Nb(110)

J. Goedecke, L. Schneider, Y. Ma, K. Ton That, D. Wang, J. Wiebe, and R. Wiesendanger, 769. WE-Heraeus-Seminar "Novel Quantum Phases in Superconducting Heterostructures", Bad Honnef (Germany)

2022-5-30: Tuning the spin-orbit coupling in 1D magnetic structures on superconducting surfaces

P. Beck, L. Schneider, B. Nyari, L. Rozsa, A. Laszloffy, K. Palotas, L. Szunyogh, B. Ujfalussy, J. Wiebe, and R. Wiesendanger, 769. WE-Heraeus-Seminar "Novel Quantum Phases in Superconducting Heterostructures", Bad Honnef (Germany)

2022-5-30: Coexistence of Antiferromagnetism and Superconductivity in pseudomorphic Mn ultra-thin films on Nb(110)

R. Lo Conte, M. Bazarnik, K. Palotas, L. Rozsa, L. Szunyogh, E. Mascot, D. Morr, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, 769. WE-Heraeus-Seminar "Novel Quantum Phases in Superconducting Heterostructures", Bad Honnef (Germany)

2022-5-23: Scanning tunneling microscopy platform in support of cryogenic, vector-field spin-caloritronic studies

C. Friesen, Spin Caloritronics XI, University of Illinois at Urbana-Champaign, Illinois (USA)

2021-9-29: Two-dimensional atomic-scale spin textures in Fe monolayers

A. Kubetzka, R. Wiesendanger, and K. von Bergmann, virtual - DPG Meeting "SKM21", (Germany)

2021-9-28: Novel 2D surface alloys on Pt(111): electronic and structural properties

M. Przychodnia, T. Grzela, R. Wiesendanger, and M. Bazarnik, virtual - 84. Annual DPG Meeting of the Condensed Matter Section (SKM 2021), (Germany)

2021-9-27: Step-edge-induced anisotropic chiral spin coupling in ultrathin magnetic films

A. Schlenhoff, S. Krause, and R. Wiesendanger, virtual - 84. Annual DPG Meeting of the Condensed Matter Section (SKM 2021), (Germany)

2021-7-12: Emergence of Magnetic Skyrmions in Ultrathin Films of Manganese on W(001) at High Magnetic Fields

R. Brüning, K. von Bergmann, A. Kubetzka, and R. Wiesendanger, virtual - ICN+T, ()

2021-6-15: Ultrasensitive magnetic field sensing using transition metal oxide resonators

A. Schwarz, T. Hänke, D. Mungpara, N. Manca, A. Plaza, L. Varbaro, D. Marré, F. Maspero, S. Cuccurullo, R. Bertacco, E. Myumyun, W. Venstra, and L. Pellegrino, virtual - 17th International Workshop on Nanomechanical Sensing (NMC2021), ()

2021-4-1: Magnetic force microscopy on a cobalt thin film deposited on a trampoline-type free hanging silicon nitride membrane

D. Goman, D. Mungpara, F. Maspero, S. Cuccurullo, R. Bertacco, and A. Schwarz, virtual - Spring Meeting of the DPG Surface Science Section21, ()

2021-3-4: Emergence of Magnetic Skyrmions in Ultrathin Films of Manganese on W(001) at High Magnetic Fields

R. Brüning, K. von Bergmann, A. Kubetzka, and R. Wiesendanger, virtual - DPG Spring Meeting of the Surface Science Division, virtual (Germany)

2021-3-4: Stabilizing Zero-Field Skyrmions with Cobalt-decorated Edges

J. Spethmann, E. Vedmedenko, R. Wiesendanger, A. Kubetzka, and K. von Bergmann, virtual - DPG Spring Meeting of the Surface Science Division, virtual (Germany)

2021-3-3: Chiral spin coupling arising from step edges in ultrathin magnetic films

A. Schlenhoff, S. Krause, and R. Wiesendanger, virtual - DPG Spring Meeting of the Surface Science Division, virtual (Germany)

2021-3-2: Phonon mediated tunneling into a 2D electron gas on the Be(0001) surface

H. Osterhage, K. Oetker, R. Wiesendanger, and S. Krause, virtual - DPG Spring Meeting of the Surface Science Division, virtual (Germany)

2021-3-2: Domain Walls in the Row-Wise Antiferromagnet Mn/Re(0001)

M. Grünebohm, J. Spethmann, R. Wiesendanger, K. von Bergmann, and A. Kubetzka, virtual - DPG Spring Meeting of the Surface Science Division, virtual (Germany)

2021-3-1: Evidence of topological Yu-Shiba-Rusinov bands in artificial spin chains on superconductors

L. Schneider, P. Beck, T. Posske, D. Crawford, E. Mascot, S. Rachel, R. Wiesendanger, and J. Wiebe, virtual - DPG Spring Meeting of the Surface Science Division, virtual (Germany)

2021-3-1: Epitaxial growth of Fe on Be(0001) studied by STM

K. Oetker, H. Osterhage, R. Wiesendanger, and S. Krause, virtual - DPG Spring Meeting of the Surface Science Division, virtual (Germany)

2021-3-1: Temperature and magnetic field dependent behavior of atomic-scale skyrmions in Pd/Fe nanoislands on Ir(111)

P. Lindner, L. Bargsten, S. Kovarik, J. Friedlein, J. Harm, S. Krause, and R. Wiesendanger, virtual - DPG-Frühjahrstagung, ()

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. Rószsa, 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. Rószsa, 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. Rószsa, 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/Co/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- π 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. Hagemeister, 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 Bi₂Te₃**

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. Hagemeister, 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 devieces

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: Investivation 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 nanoskymions

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 Bi₂Te₂Se

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 Bi₂Te₃ and Bi₂Te₂Se: 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 an 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. Schweffinghaus, 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/Bi₂Se₃

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 Bi₂Se₃(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. Atodiresei, V. Caciuc, S. Blügel, and R. Wiesendanger, Graphene week, Delft (Netherlands)

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

M. Bazarnik, L. Jurczyk, 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 $\text{PbBi}_{1-x}\text{Te}_x$

A. Eich, A.A. Khajetoorians, J. Hagemeister, 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 PbBi_2Te_3

A. Eich, S. V. Eremin, 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. Hagemeister, 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 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 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. Wałowska, 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_{1-x}Sb_x 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-Br₂

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, ICMM 2008 - International Conference on Molecule-based Magnets, Florence (Italy)

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

K. Lämle, 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. Probst, 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. Marciniowski, 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, Dreikönigstreffen 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, Germar 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 (NNCI2007), 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. Klijn, 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_{0.7}Ca_{0.3}MnO_{0.3}-delta/LaAlO₃-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 Sprehelsen, 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. Marczinowski, 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 $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ -delta/ LaAlO_3 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 $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{LaAlO}_3$ 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 $\text{Fe}/\text{W}(110)$.**

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, Euroscop 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 adsorbiertinduzierten 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-Tieftemperatur-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 GdFe₂ 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. Ravlic, M. Bode, and R. Wiesendanger, 2nd International Conference on Scanning Probe Spectroscopy, and 30th IUVESTA 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 IUVESTA 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 GdFe₂ 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 und 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 GdFe₂ - 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-Tieftemperatur-STM mit Magnetkryostat

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 GdFe₂ 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)