Scanning Probe Methods Group, Prof. Dr. Roland Wiesendanger

Publications: Posters

Date of issue: 2024-03-28

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, andR. 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. vonBergmann, and A. Kubetzka, virtual - DPG Spring Meeting of the SurfaceScience 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. Přikryl, 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. Rósza, 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. Rósza, K. Palotás, J. Wiebe, and R. Wiesendanger, SPSTM-7 & LTSTM-1 International Conference, Nijmegen (The Netherlands)

2018-7-18: **Influence of hydrogen on noncollinear magnetic order in ultrathin Fe films on Ir(111)**
L. Rózsa, P.-J. Hsu, A. Finco, L. Schmidt, K. Palotás, E. Vedmedenko, L. Udvardi, L. Szunyogh, A. Kubetzka, K. von Bergmann, and R. Wiesendanger , International Conference on Magnetism (ICM) 2018, San Francisco, CA (USA)

2018-6-10: **Re-Searching new skyrmionic systems in oxidic ultrathin films using magnetic exchange force microscopy**
A. Schwarz, SPP 2137, Bad Honnef (Germany)

2018-4-23: **Enhanced spin-ordering temperature in ultrathin FeTe films grown on a topological insulator**
J. Warmuth, U. R. Singh, A. Kamlapure, L. Cornils, M. Bremholm, P. Hofmann, J. Wiebe, and R. Wiesendanger, Intermag, Singapore (Singapore)

2018-3-15: **Nonlinear response of thin magnetic films to short electromagnetic pulses**
A. F. Schäffer and J. Berakdar, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-14: **Tests and first results of an RF-compatible UHV-based multiprobe-STM system**
J. Koch, J. Harm, J. Friedlein, M. Barzanik, S. Krause, and R. Wiesendanger, 82nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-13: **Spin textures in Fe/Rh/Ir(111) investigated by spin-polarized STM**
A. Kubetzka, K. von Bergmann, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2017-11-22: **Spin-spirals in bottom-up fabricated Fe chains induced by Dzyaloshinskii-Moriya interaction**
M. Steinbrecher, K. T. That, R. Rausch, J. Hermenau, M. Potthoff, A. A. Khajetoorians, J. Wiebe, R. Wiesendanger, 654th Heraeus Seminar: Topical Insights into Nanoscience using Scanning Probes, Bad Honnef (Germany)

2017-11-22: **Probing the Nano-Skyrmion lattice on Fe/Ir(111) using Magnetic Exchange Force Microscopy**
A. Schwarz, J. Grenz, and R. Wiesendanger, 654. WE-Heraeus-Seminar “Topical Insights into Nanoscience using Scanning Probes”, Bad Honnef (Germany)

2017-11-19: **Magnetic and chiral properties of epitaxial Pt/Co/Ir(111) films investigated by SP-STM**
M. Perini, S. Meyer, B. Dupé, S. von Malottki, A. Kubetzka, K. von Bergmann, R. Wiesendanger, and S. Heinze, 654. WE-Heraeus Seminar, Bad Honnef (Germany)

2017-11-17: **Towards tailored all-spin molecular devices**
M. Bazarnik, E. Sierda, M. Elsebach, J. Goedecke, M. Przychodnia, R. Wiesendanger, Peer Review Meeting ONR, Berkeley (USA)

2017-8-16: **Emergent phenomena in the magnetic-superconducting hybrid system Fe on Re(0001) analyzed by STM/S measurements**
A. Palacio-Morales, H. Kim, and R. Wiesendanger, 28th International Conference on Low Temperature Physics (LT28), Gothenburg (Sweden)

2017-8-12: **High Frequency Magnetization Dynamics of Individual Atomic-Scale Magnets**
S. Krause, A. Sonntag, J. Hermenau, J. Friedlein, and R. Wiesendanger, 28th International Conference on Low Temperature Physics (LT28), Gothenburg (Sweden)

2017-8-9: **Spin-spirals in bottom-up fabricated Fe chains induced by Dzyaloshinskii-Moriya interaction**
M. Steinbrecher, K. T. That, J. Hermenau, A. A. Khajetoorians, J. Wiebe, R. Wiesendanger, 28th International Conference on Low Temperature Physics (LT28), Gothenburg (Sweden)

2017-6-29: **Magnetische Spektroskopie einzelner Atome, Ketten und Nanostrukturen**
J. Wiebe, K. von Bergmann, and R. Wiesendanger, SFB 668 International Symposium, Hamburg (Germany)

2017-6-29: **Spin-Polarized Tunneling on Single Magnetic Molecules: Towards Molecule-Based Spintronic Devices**
M. Bazarnik, M. Elsebach, E. Sierda, J. Brede, G. Hoffman, and R. Wiesendanger, SFB 668 International Symposium, Hamburg (Germany)

2017-6-29: **Lokale physikalische Eigenschaften magnetischer Atome und Moleküle**
A. Schwarz, SFB 668 International Symposium, Hamburg (Germany)

2017-6-29: **Spinabhängige lokale Elektronenstruktur einzelner magnetischer Nanodrähte und Nanoinseln**
K. von Bergmann and R. Wiesendanger, SFB 668 International Symposium, Hamburg (Germany)

2017-6-29: **Theorie magnetischer Strukturbildung in Nanoteilchen und Nanoarrays**
E. Vedemedenko, SFB 668 International Symposium, Hamburg (Germany)

2017-6-29: **Temperatur- und Quantenfluktuationen in magnetischen Nanoteilchen**
E. Vedmedenko and M. Potthoff, SFB 668 International Symposium, Hamburg (Germany)

2017-6-29: **Thermisch aktivierte Magnetisierungsumkehr und strominduziertes Schalten mittels spinpolarisiertem RTM**
S. Krause, A. Khajetoorians, and R. Wiesendanger, SFB 668 International Symposium, Hamburg (Germany)

2017-6-14: **Magneto-Seebeck Tunneling Across a Vacuum Barrier**
C. Friesen and S. Krause, Spin Caloritronics 8, Regensburg (Germany)

2017-6-10: **Searching for new skyrmionic systems in oxidic ultrathin films**
A. Schwarz, SPP 2137 Network Meeting, Mainz (Germany)

2017-5-3: **Magnetic and chiral properties of epitaxial Pt/Con/Ir(111) films investigated by SP-STM**
M. Perini, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, Skymag, Paris (France)

2017-5-3: **Skyrmions with attractive interactions in an ultrathin film**
L. Rózsa, A. Deák, E. Simon, R. Yanes, L. Udvardi, L. Szunyogh, U. Nowak, and K. Palotás, SKYMAG 2017, Paris (France)

2017-5-3: **A Magnetic Nano-Skyrmion Lattice observed in a Si-wafer based Multilayer System**
A. Schlenhoff, P. Lindner, J. Friedlein, S. Krause, R. Wiesendanger, M. Weinl, M, Schreck and M. Albrecht, SKYMAG 2017, Paris (France)

2017-5-3: **Skyrmions at the edge: Confinement effects in Fe/Ir(111)**
A. Kubetzka, J. Hagemeister, D. Iaia, E.Y. Vedmedenko, K. von Bergmann, and R. Wiesendanger , SkyMag Conference, Paris (France)

2017-5-3: **Anisotropic Chiral Spin Coupling Across Step Edges in Fe/W(110) Ultrathin Films**
S., Krause, A. Schlenhoff, and R. Wiesendanger, SkyMag 2017, Paris (France)

2017-5-3: **Probing the Thermomagnetic Phase Diagram of Pd/Fe/Ir(111) via STM**
P. Lindner, L. Bargsten, S. Kovarik, J. Friedlein, J. Harm, S. Krause, and R. Wiesendanger, SkyMag 2017, Paris (France)

2017-5-3: **Emergence of Isolated Magnetic Skyrmions in Hydrogenated Iron Films**
P. J. Hsu, L. Schmidt, A. Finco, N. Romming, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, Skymag, Paris (France)

2017-5-3: **Influence of lattice strain on the formation of magnetic skyrmions**
J. Hagemeister, E. Vedmedenko, and R. Wiesendanger, Skymag, Paris (France)

2017-5-3: **Multi-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: **Modifiying 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 Frühjahrestagung 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 intercalationj 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 Dzialoshinsky-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-AFMstudy 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 nanoskyrmions**
J. Hagemeister, A. Kubetzka, E. Vedmedenko, and R. Wiesendanger, 20th International Conference on Magnetism, Barcelona (Spain)

2015-7-6: **A combined XMCD, ARPES and STM study of 3d adatoms on the topological insulator 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-mechanicswith 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 onIr(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) Nanoskyrmions**
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 Bergamnn, 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: **Nanoskyrmion 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. Eich1, A. A. Khajetoorians, J.-L. Mi, B. B. Iversen, Ph. Hofmann, J. Wiebe, J. Honolka, and R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-4-1: **CO on NiO(001)**
J. Grenz, A. Schwarz, and R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-3-17: **Set-up of a hybrid quantum optomechanical system at 30 mK**
H. Zhong, G. Fläschner, M. Nitschke, A. Schwarz, and R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2014-3-17: **A Hybrid System in the Quantum Regime**
C. Staarmann, A. Bick, P. Christoph, O. Hellmig, C. Becker, K. Sengstock, H. Zhong, G. Fläschner, A. Schwarz, and R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2014-3-3: **Screening and atomic-scale engineering of the potential at a topological insulator surface**
P. Löptien, L. Zhou, J. Wiebe, A. A. Khajetoorians, J.-L. Mi, B. B. Iversen, Ph. Hofmann, and R. Wiesendanger, APS March Meeting 2014, Denver (USA)

2013-11-12: **Toward a multiprobe- high frequency- spin-polarized scanning tunneling microscope**
J. Friedlein, A. Sonntag, J. Harm, S. Krause, and R. Wiesendanger, 544. WE-Heraeus-Seminar: Interactions with the Nanoworld, Bad Honnef (Germany)

2013-11-12: **Carbon Monoxide: Contrast Formation in Non-Contact Atomic Force Microscopy Imaging**
A. Schwarz, A. Köhler, J. Grenz, and R. Wiesendanger , 544. WE-Heraeus-Seminar: Interactions with the Nanoworld: Local Probes with High Time, Energy and Force Resolution, Bad Honnef (Germany)

2013-11-12: **Spin Excitations of Individual Fe Atoms on Pt(111): Impact of the Site-Dependent Giant Substrate Polarization**
M. Steinbrecher, A. A. Khajetoorians, T. Schlenk, B. Schweflinghaus, M. dos Santos Dias, M. Bouhassoune, S. Lounis, J. Wiebe and R. Wiesendanger, 544. WE-Heraeus-Seminar: Interactions with the Nanoworld, Bad Honnef (Germany)

2013-10-8: **CO adsorbed on Mn/W(001)**
A. Köhler, A. Schwarz and R. Wiesendanger, 1st German-French Summer School on noncontact atomic force microscopy, Porquerolles (France)

2013-10-8: **A high resolution UHV - 300mK - 10T - Atomic Force Microscope**
K. Ruschmeier, H. von Allwörden, A. Schwarz, and R. Wiesendanger, 1st German-French Summer School on noncontact AFM, Porquerolles (France)

2013-10-8: **Screening and Atomic-Scale Engineering of the Potential at a Topological Insulator Surface**
J. Wiebe, P. Löptien, L. Zhou, A. A. Khajetoorians, J.-L. Mi, B. B. Iversen, Ph. Hofmann, and R. Wiesendanger, Kickoff meeting of DFG-SPP 1666, Frankfurt (Germany)

2013-8-7: **Co adatoms on NiO(001)**
J. Grenz, A. Schwarz, and R. Wiesendanger, 16th International Conerence 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 onvortex 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. Wiesedanger, 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 sensitivityfor 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 onSP-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 sensitivityfor 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), Ceský Krumlov (Czech republic)

2012-6-7: **Structure ad 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. Jurczyszyn, M.W. Radny, R. Czajka, K. Morgenstern, Electron Controlled Chemical Lithography Meeting 2012, Stykkishólmur (Iceland)

2012-3-30: **Switching the magnetization of nanomagnets using SP-STM**
B. Ehlers, G. Herzog, J. Friedlein, S. Krause, and R. Wiesendanger, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-30: **Domain Wall Manipulation With a Magnetic Tip**
T. Stapelfeldt, R. Wieser, E. Y. Vedmedenko, and R. Wiesendanger, 76thSpring 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 topoligical insulator PbBi_4Te_7**
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 PbBi4Te7**
A. Eich, S. V. Eremeev, G. Landolt, T. V. Menshchikova, B. Slomski, Yu. M. Koroteev, Z. S. Aliev, M. B. Babanly, J. Henk, A. Ernst, L. Patthey, A. A. Khajetoorians, J. 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. Waśniowska, 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. Waśniowska, 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 Bi1-xSbx alloys on W(110)**
T. Eelbo, M. Gyamfi, M. Waśniowska, 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: **uperparamagnetic Switching of Two-dimensional MagneticIslands Studied by Monte Carlo Simulation**
T. Stapelfeldt, E.Y.Vedmedenko, S. Krause, G. Herzog, and R. Wiesendanger, 73th SpringConference, 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 moleculeson 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) andCu(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 magneticfield 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 Conferenceon Molecule-based Magnets, Florence (Italy)

2008-9-15: **Crystallites and Wires of Co-Salene on NaCl(001)**
K. Lämmle, S. Fremy, A. Schwarz and R. Wiesendanger, 11th International Conference on Non-Contact Atomic Force Microscopy, Madrid (Spain)

2008-9-11: **Scanning tunneling microscopy and spectroscopy of self-organized bi-atomic Fe chains on Ir(001)**
M. Menzel, K. von Bergmann, A. Kubetzka, M. Bode, and R. Wiesendanger, Summer School "Nanomagnetism and Spintronics", Prague (Czech Republic)

2008-9-11: **Spin-Polarized Scanning Tunneling Microscopy and Spectroscopy**
G. Herzog, L. Zhou, S. Krause, F. Meier, J. Wiebe, and R. Wiesendanger, 2nd International Summer School of the GrK "Physics of Functional Micro- and Nanostructures", Hamburg (Germany)

2008-7-22: **Probing Fe/W(001) with magnetic and exchange force microscopy**
R. Schmidt, C. Lazo, U. H. Pi, V. Caciuc, H. Hölscher, A. Schwarz, R. Wiesendanger and S. Heinze, International Conference on Nanoscience and Technology, Keystone, Colorado (USA)

2008-7-22: **A New Scanning Tunneling Microscope for Spin-Sensitive Measurements in a Fully Rotatable Magnetic Field**
M. Gyamfi, S. Meckler, O. Pietzsch, and R. Wiesendanger, International Conference on Nanoscience and Technology, Keystone, Colorado (USA)

2008-7-22: **Observing the Thermal Switching Behavior of Superparamagnetic Nanoislands by SP-STM**
G. Herzog, S. Krause, L. Berbil-Bautista, T. Stapelfeldt, E. Vedmedenko, M. Bode, and R. Wiesendanger, International Conference on Nanoscience and Technology, Keystone, Colorado (USA)

2008-7-16: **Observing the Thermal Switching Behavior of Superparamagnetic Nanoislands by SP-STM**
G. Herzog, S. Krause, L. Berbil-Bautista, T. Stapelfeldt, E. Vedmedenko, M. Bode, and R. Wiesendanger, NSS5/SP-STM2, Athens, Ohio (USA)

2008-3-26: **Spin-dependent Image Potential States Studied By SP-STS**
A. Emmenegger, S. Krause, G. Herzog, A. Kubetzka, D. Haude, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-27: **Scanning tunneling microscope study of Fe, Co, and Cu- Phthalocyanine growth on metal surfaces**
S.-H. Chang, A. Scarfato, G. Hoffmann, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-27: **Design and construction of a 300 mKelvin / 17 Tesla ultrahigh vacuum scanning tunneling microscope for molecular studies**
J. Schwöbel, M. Nohme, R. Ravlic,J. Wienhausen, G. Hoffmann, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-27: **STM / STS investigation of porphyrin and corrole molecules on surfaces**
G. Hoffmann, S. Kuck, J. Brede, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-27: **Metal coatings prepared by organometallic chemical vapour deposition (OMCVD)**
J. Wochnowski, T. Göllnitz, G. Hoffmann, R. Wiesendanger, and J. Heck, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-26: **Design of a vacuum system for the local study of molecules**
M. Prostak, G. Hoffmann, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-26: **Development of an UHV Variable Temperature STM**
T. Eelbo, M. Gyamfi, S. Meckler, O. Pietzsch, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-26: **Design of an UHV-STM for applications at low temperatures and high magnetic fields**
M. Menzel, D. Haude, K. von Bergmann, M. Bode, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-26: **Self-actuating self-sensing cantilever for dynamic AFM**
H. von Allwörden, A. Schwarz, C.Julian Chen, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-26: **STM investigation of MBE-grown GaMnAs**
H. Gutzmann, A. Stemmann, F. Adler, J. Wiebe, F. Marczinowski,C. Heyn, W. Hansen, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-26: **Analytic formulae for multipole moments of general ellipsoids, elliptic cylinders and prisms**
N. Mikuszeit,M. Schult, E. Y. Vedmedenko, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-26: **Einfluss der elektronischen Struktur der Tunnelspitze auf spektroskopische Messungen**
O. Ferdinand, K. von Bergmann, A. Kubetzka, R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-26: **A New Scanning Tunneling Microscope for Spin-Sensitive Measurements in Ultrahigh Vacuum, at Low Temperatures, and in High Magnetic Fields**
M. Gyamfi, S. Meckler, O. Pietzsch and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-26: **Observation of a spin spiral state in the Mn monolayer on W(001)**
K. von Bergmann, P. Ferriani, E.Y. Vedmedenko, A. Kubetzka, S. Heinze, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-25: **Switching the Charge of a Single Mn-Dopant in InAs withthe 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 ´08New 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 Bergmnann, 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 absorbate-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 La0.7Ca0.3MnO0.3-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 Sprekelsen, V. Hagen, T. Maltezopoulos, R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2004-3-8: **Untersuchung von Punkt- und Liniendefekten auf der NiO(001)-Spaltfläche mittels Rasterkraftmikroskopie**
N. Plock, U. Kaiser, A. Schwarz, and R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2004-3-8: **Preparation and characterization of the ferromagnetic III-V-semiconductor In(1-x)Mn(x)As**
F. 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 La0.7 Ca0.3MnO3-delta/LaAlO3 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 La0.7Sr0.3MnO3/LaAlO3 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, Warswaw (Poland)

2003-3-24: **Eine UHV-Rastertunnelmikroskopieanlage für Messungen bei 300 mK und 14 T.**
F. Meier, A. Wachowiak, J. Wiebe, D. Haude, M. Morgenstern, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-24: **Aufbau eines UHV-SPSTM für Untersuchungen bei variablen Temperaturen.**
T. Hänke, S. Krause, M. Bode, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-24: **Hochgeschwindigkeits-Rasterkapazitätsspektroskopie an Halbleitermikrostrukturen - Lokalisierung von pn-Übergängen.**
M. v. Sprekelsen, J. Isenbart, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-12: **Scanning force microscopy spectroscopy studies of single wall carbon nanotubes including defects.**
M. Ashino, Th. Maltezopoulos, A. Schwarz, S. G. Lemay, C. Dekker, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-1-7: **Magnetization-Axis Dependent Local Electronic Structure Probed by Scanning Tunneling Spectroscopy.**
M. Bode, S. Heinze, A. Kubetzka, O. Pietzsch, X. Nie, G. Bihlmayer, S. Blügel, and R. Wiesendanger, 294. WE-Heraeus-Seminar on Frontiers in Nanomagnetism, Bad Honnef (Germany)

2003-1-7: **Direct Observation of Internal Spin-Structure of Magnetic Vortex Cores.**
M. Bode, A. Wachowiak, J. Wiebe, O. Pietzsch, M. Morgenstern, and R. Wiesendanger, 294. WE-Heraeus-Seminar on Frontiers in Nanomagnetism, Bad Honnef (Germany)

2002-12-5: **Magnetic properties of large mass-filtered metal clusters on surfaces studied with soft X-rays.**
J. Bansmann, A. Kleibert, M. Getzlaff, R. P. Methling, V. Senz, and K. H. Meiwes-Broer, BESSY-Nutzertreffen, Berlin (Germany)

2002-9-9: **Investigation of Magnetism by Scanning Tunneling Microscopy on the System Fe/W(110).**
K. von Bergmann, M. Bode, M. Getzlaff, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, 3rd International Conference on Inorganic Materials, Konstanz (Germany)

2002-6-1: **Scanning Probe Microscopy and Spectroscopy on Semiconductor Quantum Dots.**
Th. Maltezopoulos, A. Bolz, J. Klijn, Chr. Meyer, V. Hagen, M. Tews, D. Talapin, A. Rogach, Chr. Heyn, M. Morgenstern, and R. Wiesendanger, Euresco 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 Austauchkräfte 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 Halbeiter-Quantenpunkten.**
Th. Maltezopoulos, A. Bolz, J. Klijn, Chr. Meyer, Chr. Heyn , D. Talapin, A. Rogach, M. Morgenstern, and R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-12: **Aufbau eines temperaturvariablen MOKE-Systems für die Charakterisierung ultradünner, magnetischer Schichten im UHV.**
F. Meier, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-11: **Co-p-InAs(110): Ein durch Co-Inseln induziertes zweidimensionales Elektronensystem bestehend aus Elektronenpfützen.**
J. Wiebe, M. Morgenstern, A. Wachowiak, M. Getzlaff, J. Klijn, L. Plucinski, R. L. Johnson, and R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-11: **Rastertunnelspektroskopie am adsorbadinduzierten 2DES in Magnetfeldern bis zu 6T.**
J. Klijn, Chr. Meyer, M. Morgenstern, and R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-11: **Ab initio Berechnung von Fe- und Nb-Monolagen auf InAs(110).**
L. Sacharow, Chr. Meyer, J. Klijn, M. Morgenstern, S. Heinze, G. Bihlmayer, S. Blügel and R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-2-27: **Two-Dimensional Properties of a Three-Dimensional Electron System in the Extreme Quantum Limit.**
M. Morgenstern, 12th Int. Winterschool, Low Dimensional Systems, Mauterndorf (Austria)

2002-2-27: **Local Density of states of a one dimensional conductor confined below a charged step edge.**
Chr. Meyer, J. Klijn, M. Morgenstern, and R. Wiesendanger, 12th Int. Winterschool, Low Dimensional Systems, Mauterndorf (Austria)

2002-2-26: **Scanning Tunneling Spectroscopy of an Adsorbate Induced Two Dimensinal 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, Triest (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 Synchotron 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 IUVSTA Workshop, Hamburg (Germany)

2000-7-21: **Direct Visualization of Dipolar Antiferromagneticically coupled Nanowires by Spin Polarized Scanning Tunneling Spectroscopy**
O. Pietzsch, A. Kubetzka, M. Bode, and R. Wiesendanger, 2nd International Conference on Scanning Probe Spectroscopy, and 30th IUVSTA Workshop, Hamburg (Germany)

2000-7-19: **Determination and analysis of tip-sample interaction forces by dynamic force spectroscopy**
H. Hölscher, W. Allers, A. Schwarz, U. D. Schwarz, and R. Wiesendanger, 2nd International Conference on Scanning Probe Spectroscopy, Hamburg (Germany)

2000-7-16: **Investigation of the swelling of human skin cells in liquid media by tapping mode scanning force microscopy**
T. Richter, J. H. Müller, U. D. Schwarz, and R. Wiesendanger, Third International Workshop on Non-Contact Atomic Force Microscopy, Hamburg (Germany)

2000-7-16: **A cryogenic scanning force microscope for the imaging of frozen biological samples in non-contact mode**
J. H. Müller, U. D. Schwarz, R. Wepf, and R. Wiesendanger, Third International Workshop on Non-Contact Atomic Force Microscopy, Hamburg (Germany)

2000-7-16: **Interpretation of "true atomic" resolution images in non-contact atomic force microscopy**
H. Hölscher, W. Allers, A. Schwarz, U. D. Schwarz, and R. Wiesendanger, Third International Workshop on Non-Contact Atomic Force Microscopy, Hamburg (Germany)

2000-7-6: **Magnetic field induced localization in a semiconductor 3DEG imaged with scanning tunneling microscopy**
M. Morgenstern, Workshop "Quantum Hall Effect", Schloß Ringberg (Germany)

2000-7-3: **The Fe induced two dimensional electron gas at the surface of InAs(110)**
M. Morgenstern, Symposium on Spin Electronics, Halle (Germany)

2000-6-21: **Scanning tunneling spectroscopy of the Fe-induced two dimensional electron gas on InAs(110)**
J. Klijn, D. Haude, M. Getzlaff, Chr. Meyer, R.L. Johnson, M. Morgenstern, and R. Wiesendanger, Second International Conference on Scanning Probe Spectroscopy, Hamburg (Germany)

2000-6-14: **A nanoscale view to Landau oscillations and spin splitting of a quantum dot**
M. Morgenstern, WE-Hereaus Workshop "Interacting Electrons in Nanostructures", Bad Honnef (Germany)

2000-3-30: **Das Wachstum von Niob auf InAs(110)**
Chr. Meyer, J. Wiebe, M. Morgenstern, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-27: **Deposition von InAs-Clustern auf HOPG**
Th. Maltezopoulos, M. Morgenstern, S. Haubold and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-27: **Aufbau einer (300 mK / 14T)- Rastertunnelmikroskopie-Anlage**
A. Wachowiak, J. Wiebe, D. Haude, M. Morgenstern, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-27: **Kryo-Rasterkraftmikroskopie im Nichtkontaktbetrieb zur Charakterisierung biologischer Proben**
J. H. Müller, U. D. Schwarz, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-27: **Tieftemperatur-Rasterkraftmikroskop mit 3D-Probenpositionierung und atomarer Auflösung**
S. Langkat, W. Allers, U. D. Schwarz, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-27: **Analyse der Spitze-Probe-Wechselwirkung im dynamischen Modus der Rasterkraftmikroskopie**
W. Allers, H. Hölscher, A. Schwarz, U. D. Schwarz, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-27: **Untersuchung des Quellverhaltens menschlicher Hautzellen in verschiedenen Medien mittels Rasterkraftmikroskopie**
T. Richter, J. H. Müller, U. D. Schwarz, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-16: **Direct Visualization of Dipolar Antiferromagneticically 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 (Switzerlanad)

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 (Switzerlanad)

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-qualtiy 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)