Scanning Probe Methods Group, Prof. Dr. Roland Wiesendanger

Publications: Conference Contributions and Talks at Other Institutes

Date of issue: 2024-03-29

2024-3-21: **Proximity-superconductivity of noble metal surface states**
C. von Bredow, L. Schneider, H. Kim. T. Hänke, K. That Ton, K. von Bergmann, J. Wiebe, and R. Wiesendanger, 87. Jahrestagung der DPG und DPG-Frühjahrstagung der Sektion Kondensierte Materie (SKM), Berlin (Germany)

2024-3-21: **Multi-Probe RF Scanning Tunneling Microscopy in UHV, at Low Temperatures, and in Magnetic Field**
J. Koch, P. Lindner, R. Boltje, S. Krause, and R. Wiesendanger, DPG-Frühjahrstagung der Sektion Kondensierte Materie (SKM), Berlin (Germany)

2024-3-20: **Tip-to-tip approach for multi-probe scanning probe microscopy utilizing long-distance all-optical methods**
P. Lindner, R. Boltje, J. Koch, S. Krause, and R. Wiesendanger, DPG-Frühjahrstagung der Sektion Kondensierte Materie (SKM), Berlin (Germany)

2024-3-19: **A buckled honeycomb lattice of Fe atoms grown on a clean Be(0001) surface**
S. Krause, H. Osterhage, K. Oetker, R. Dao, and R. Wiesendanger, DPG-Frühjahrstagung der Sektion Kondensierte Materie (SKM), Berlin (Germany)

2024-3-18: **Non-local detection of Yu-Shiba-Rusinov states in quantum corrals**
K. Ton That, C. Xu, I. Ioannidis, L. Schneider, T. Posske, D. K. Morr, R. Wiesendanger, and J. Wiebe, 87. Jahrestagung der DPG und DPG-Frühjahrstagung der Sektion Kondensierte Materie (SKM), Berlin (Germany)

2024-3-18: **Tip-assisted motion of Co and Rh atoms on the antiferromagnet Mn/Re(0001)**
F. Zahner, K. von Bergmann, R. Wiesendanger, and A. Kubetzka, DPG-Frühjahrstagung der Sektion Kondensierte Materie (SKM), Berlin (Germany)

2024-3-18: **Spin polarization of the Kondo system in mirror twin bound-aries of MoS2**
M. Bagchi, T. Tounsi, A. Safeer, C. van Efferen, T. Michely, W. Jolie, T. A. Costi, and J. Fischer, DPG-Frühjahrstagung der Sektion Kondensierte Materie (SKM), Berlin (Germany)

2024-3-7: **Coupling of the Triple-Q State to the Atomic Lattice by Anisotropic Symmetric Exchange**
F. Nickel, A. Kubetzka, S. Haldar, R. Wiesendanger, S. Heinze, and K. von Bergmann, APS March Meeting, Minneapolis (USA)

2024-3-4: **Superconductivity in atom-by-atom crafted quantum corrals**
L. Schneider, K. That Ton, I. Ioannidis, J. Neuhaus-Steinmetz, T. Posske, R. Wiesendanger, and J. Wiebe, APS March Meeting, Minneapolis (USA)

2023-12-1: **Tailoring nanoscale systems by a bottom-up design atom-by-atom**
R. Wiesendanger, virtual - Poznan University of Technology (Doctoral School Lecture), Poznan (Poland)

2023-11-20: **Towards the measurement of thermal spin-transfer torque at the atomic-scale**
C. Friesen, and R. Wiesendanger, University of Bielefeld - colloquium lecture, Bielefeld (Germany)

2023-9-4: **Magnetism of ultrathin Fe films on the elemental superconductor Ta(110)**
R. Brüning, R. Lo Conte, K. von Bergmann, and R. Wiesendanger, FisMat Konferenz, Mailand (Italy)

2023-9-2: **Sub-monolayer Mn/Ir(111) studied by SP-STM**
A. Rodriguez Sota, V. Saxena, J. Spethmann, A. Kubetzka, R. Lo Conte, R. Wiesendanger, and K. von Bergmann, European School of Magnetism, Miraflores de la Sierra, Madrid (Spain)

2023-8-26: **Symmetry-breaking magnetic Interactions**
E. Vedmedenko, Collaboration with the University of Western Australia on the interlayer DM interactions, Perth (Australia)

2023-7-12: **Tailoring nanoscale systems by a bottom-up design atom-by-atom**
R. Wiesendanger, virtual - Nanyang Technological University (NTU STEM Graduate Colloquium), Nanyang (Singapore)

2023-5-7: **Advances and challenges in superconductivity research and application**
R. Wiesendanger, 8th International Conference on Superconductivity and Magnetism ICSM, Fethiy (Turkey)

2023-3-30: **Ultra-thin Noble Metal Films on Superconductors**
C. von Bredow, L. Schneider, J. Wiebe, and R. Wiesendanger, DPG Spring Meeting of the Condensed Matter Section (SKM) 2023, Dresden (Germany)

2023-3-29: **Interplay between magnetic and electrostatic forces when imaging complex current carrying stripline geometries with Magnetic Force Microscopy**
D. Goman, D. Mungpara, and A. Schwarz, DPG Spring Meeting of the Condensed Matter Section (SKM) 2023, Dresden (Germany)

2023-3-28: **Spin-caloritronics using spin-polarized scanning tunneling microscopy**
C. Friesen, and R. Wiesendanger, DPG Spring Meeting of the Condensed Matter Section (SKM) 2023, Dresden (Germany)

2023-3-28: **Atom-by-Atom Study of Spin Lattices on a Superconducting Rashba Material**
K. Ton, L. Schneider, J. Wiebe and R. Wiesendanger, DPG-Frühjahrstagung der Sektion Kondensierte Materie (SKM), Dresden (Germany)

2023-3-27: **Spin revolution breaks time reversal symmetry of rolling magnets**
E. Vedmedenko and R. Wiesendanger, DPG Spring Meeting of the Condensed Matter Section (SKM) 2023, Dresden (Germany)

2023-3-27: **Domain structures of stressed free-hanging magnetic thin films**
D. Mungpara, A. Schwarz, F. Masperpo, R. Bertaccio, N. Manca, and L. Pellegrino, DPG Spring Meeting of the Condensed Matter Section (SKM) 2023, Dresden (Germany)

2023-3-26: **Image potential states as local probes for graphene magnetism**
M. Bazarnik, R. Wiesendanger, and A. Schlenhoff, DPG Spring Meeting of the Condensed Matter Section (SKM), Dresden (Germany)

2023-3-26: **Lifting the frustration of higher-order exchange interactions in ultrathin films**
F. Nickel, S. Haldar, R. Wiesendanger, S. Heinze, and K. von Bergmann, DPG Spring Meeting of the Condensed Matter Section (SKM), Dresden (Germany)

2023-3-26: **Influence of interlayer Dzyaloshinskii-Moriya interactions on magnetic textures**
E. Vedmedenko, DPG Spring Meeting of the Condensed Matter Section (SKM), Dresden (Germany)

2023-3-8: **Pulling Magnetic Skyrmions out of Thin Air**
G. Chen, C. Ophus, R. Lo Conte, A. Quintana-Puebla, H. Kwon, G. Yin, C. Won, H. Ding, R. Wiesendanger, Y. Wu, A. Schmid, and K. Liu, APS March Meeting, Las Vegas (USA)

2023-3-6: **Topological nodal-point superconductivity in a 2D-antiferromagnet/superconductor hybrid system**
R. Lo Conte, M. Bazarnik, E. Mascot, D. K. Morr, K. von Bergmann, and R. Wiesendanger, APS March Meeting, Las Vegas (USA)

2023-1-3: **Peculiar growth of Mn on Ir(111) investigated by SP-STM**
A. Rodriguez Sota, V. Saxena, A. Kubetzka, J. Spethmann, R. Wiesendanger, and K. von Bergmann, Seminartalk Max-Planck-Institut, Halle (Germany)

2022-12-1: **Tweaking atom-by-atom fabricated Shiba chains towards larger topological minigaps**
J. Wiebe, Würzburg ToCoTronics Colloquium, Würzburg (Germany)

2022-11-11: **Hunting for exotic quasiparticle bound states in a conventional superconductor**
H. Kim, Department of Physics, Hanyang University, Seoul (South Korea)

2022-11-1: **Hunting for exotic quasiparticle bound states in a conventional superconductor**
H. Kim, Department of Physics, Ajou University, Suwon (South Korea)

2022-10-31: **Sub-monolayer capping induced switching of magnetic chirality**
G. Chen, C. Ophus, R. Lo Conte, R. Wiesendanger, A. Schmid, and K. Liu, MMM-INTERMAG 2022, Minneapolis (USA)

2022-10-31: **Row-wise antiferromagnetism in superconducting Mn thin films on Nb(110)**
R. Lo Conte, M. Bazarnik, A. Laszloffy, K. Palotas, L. Rozsa, L. Szunyogh, A. Kubethka, K. von Bergmann, and R. Wiesendanger, MMM-INTERMAG 2022, Minneapolis (USA)

2022-10-26: **Exploring the antiferromagnetic ground states and domain walls of Mn on Ir(111) by SP-STM**
V. Saxena, Max Planck Institute for solid state physics, Halle (Germany)

2022-10-19: **Bottom-up design of unconventional superconductors**
R. Wiesendanger, Int. Conf. on Quantum Materials and Technologies (ICQMT 2022), Bodrum (Turkey)

2022-10-6: **Spin-calorimetry using spin-polarized scanning tunnelingmicroscopy**
C. Friesen, Institute of Physics, Poznan University of Technology, Poznan (Poland)

2022-9-15: **From spin-resolved atomic-resolution imaging to magnetic materials and devices by design**
R. Wiesendanger, virtual, National Yang Ming Chiao Tung University (NYCU Colloquium), Hsinchu (Taiwan)

2022-9-9: **Peculiar growth of Mn on Ir(111) investigated by STM**
A. Rodriguez Sota, V. Saxena, R. Wiesendanger, and K. von Bergmann, DPG Meeting of the Condensed Matter Section (SKM), Regensburg (Germany)

2022-9-8: **Low-energy end states in proximitized antiferromagnetic nanowires**
L. Schneider, P. Beck, T. Posske, L. Rózsa, J. Wiebe, and R. Wiesendanger, DPG-Tagung der Sektion Kondensierte Materie (SKM), Regensburg (Germany)

2022-9-8: **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, DPG Meeting of the Condensed Matter Section (SKM) , Regensburg (Germany)

2022-9-7: **Complex magnetic ground states and topological electronic phases of atomic spin chains on superconductors**
J. Neuhaus-Steimetz, E. Vedmedenko, T. Posske, and R. Wiesendanger , DPG Meeting of the Condensed Matter Section (SKM), Regensburg (Germany)

2022-9-7: **Zero-field skyrmionic states and in-field edge-skyrmions induced by boundry tuning**
J. Spethmann, E. Vedmedenko, R. Wiesendanger, A. Kubetzka, and K. von Bergmann, DPG Meeting of the Condensed Matter Section (SKM) , Regensburg (Germany)

2022-9-7: **Tuning the properties of zero-field magnetic skyrmions in all-light-metal multilayers**
R. Lo Conte, 12th LEEM-PEEM Conference, Cordoba (Spain)

2022-8-22: **Long-Range Focused Quasiparticle Bound States on a Quasi-2D Superconductor**
H. Kim, Department of Physics, Sungkyunkwan University, Suwon (South Korea)

2022-8-19: **Anisotropic non-split zero-energy vortex bound states in conventional superconducting thin films**
H. Kim, Department of Physics, Yonsei University, Seoul (South Korea)

2022-8-10: **Superconductivity, interaction with spins and topological superconductivity**
J. Wiebe, Lecture at the Center for Quantum Nanoscience, Institute for Basic Science and Ewha Womans University, Seoul (South Korea)

2022-8-8: **Search for Large Topological Gaps and Isolated Majorana Bound States in Atom-by-Atom Fabricated Shiba Chains**
J. Wiebe, Seminar talk at the Center for Quantum Nanoscience, Institute for Basic Science and Ewha Womans University, Seoul (South Korea)

2022-8-2: **Probing long and short-range magnetic interactions on the nanoskyrmionic Fe monolayer on Ir(111)**
A. Schwarz, NC-AFM 2022, Nijmegen (The Netherlands)

2022-7-25: **Nano-scale collinear multi-Q driven by higher-order interactions**
M. Gutzeit, A. Kubetzka, S. Haldar, H. Pralow, R. Wiesendanger, S. Heinze, and K. von Bergmann, JEMS conference , Warsaw (Poland)

2022-6-3: **Symmetry breaking magnetic interaction**
E. Y. Vedmedenko, Colloquium Mathematical Physics of University Bielefeld, Bielefeld (Germany)

2022-6-2: **Symmetry-breaking magnetic Interactions**
E. Vedmedenko, SFB 1283 Colloquium, Bielefeld (Germany)

2022-5-11: **Skyrmions and Antiferromagnets investigated with spin-polarized scanning tunneling microscopy**
K. von Bergmann, virtual - Group Seminar of Prof. Ingrid Mertig, Martin-Luther-Universität, Halle-Wittenberg (Germany)

2022-2-3: **From spin-resolved atomic-resolution imaging to magnetic materials and devices by design**
R. Wiesendanger, virtual - Russian Colloquium on Modern Problems of Condensed Matter Physics, ()

2022-1-26: **Emergent Majorana states in disorder-free bottom-up fabricated atomic spin chains proximity-coupled to clean superconducting substrates**
R. Wiesendanger, virtual - CEMS Colloquium, RIKEN, Tokyo (Japan)

2021-12-15: **Topological Gaps and Precursors of Majorana Modes in Atom-by-Atom Fabricated Shiba Chains**
J. Wiebe, virtual - Condensed Matter Seminar, Department of Physics, The Hong Kong University of Science and Technology, Hong Kong (China)

2021-11-16: **Topological gaps and precursors of Majorana modes in artificial Shiba chains**
J. Wiebe, virtual - Seminar GDR Nanosciences with near-field microscopy under ultra high vacuum, (France)

2021-11-10: **Emergent Majorana states in atomic-scale magnet-superconductor hybrid systems**
R. Wiesendanger, ETH - Colloquium, Zürich (Switzerland)

2021-10-27: **Nano-scale skyrmions and atomic-scale spin textures studied with STM**
K. von Bergmann, virtual - SPICE-SPIN+X Seminar, Mainz (Deutschland)

2021-10-20: **From topological magnetism to topological superconductivity**
R. Lo Conte, virtual - Landau Seminar - Loughborouh University , Leicestershire (UK)

2021-10-14: **Topological gaps and precursors of Majorana modes in artificial Shiba chains**
J. Wiebe, virtual - Low dimensional superconducting hybrids for novel quantum functionalities, College de France, Paris (France)

2021-9-30: **Domain Walls in a Row-Wise Antiferromagnetic Monolayer**
J. Spethmann, M. Grünebohm, R. Wiesendanger, K. von Bergmann, and A. Kubetzka, virtual - 84. Annual DPG Meeting of the Condensed Matter Section (SKM 2021), ()

2021-9-30: **Spontaneous atomic-scale hexagonal spin lattices driven by higher-order exchange interactions**
M. Gutzeit, A. Kubetzka, S. Haldar, H. Pralow, R. Wiesendanger, S. Heinze, and K. von Bergmann, virtual - 84. Annual DPG Meeting of the Condensed Matter Section (SKM 2021), (Germany)

2021-9-29: **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 - 84. Annual DPG Meeting of the Condensed Matter Section (SKM 2021), (Germany)

2021-9-28: **Evidence for p-wave pairing and precursors of Majorana modes in artificial Shiba chains**
J. Wiebe, 84. Annual DPG Meeting of the Condensed Matter Section (SKM 2021), virtual (Germany)

2021-9-27: **Iron growth on Be(0001) studied by STM**
H. Osterhage, K. Oetker, R. Wiesendanger, and S. Krause, virtual - 84. Annual DPG Meeting of the Condensed Matter Section (SKM 2021), (Germany)

2021-9-24: **Emergence of Majorana bound states in low-dimensional superconductor-magnet hybrid systems**
H. Kim, virtual - SRC seminar, Center for Quantum Coherence in Condensed matter, Korea Advanced Institute of Science and Technology (KAIST), Daejeon (South Korea)

2021-7-16: **Probing Weakly Hybridized Magnetic Molecules by Single-Atom Magnetometry**
E. Sierda, M. Elsebach, R. Wiesendanger, and M. Bazarnik, virtual - International Conference of Nanoscience and Technology (ICN+T 2021), ()

2021-7-15: **Artificially constructed magnetic adatom chains: from Yu-Shiba-Rusinov bands to Majorana modes**
L. Schneider, P. Beck, T. Posske, J. Neuhaus-Steinmetz, L. Rózsa, K. Palotás, S. Rachel, J. Wiebe and R. Wiesendanger, virtual - International Conference of Nanoscience and Technology (ICN+T 2021), ()

2021-7-15: **Stabilizing Zero-Field Skyrmions with Cobalt-decorated Edges**
J. Spethmann, E. Vedmedenko, R. Wiesendanger, A. Kubetzka, and K. von Bergmann, virtual - ICN+T, ()

2021-7-15: **Step-Edge-Induced Anisotropic Chiral Spin Coupling with Ultrathin Magnetic Films**
S. Krause, virtual - ICN+T, ()

2021-7-15: **Observation and controlled hybridization of Majorana modes in Yu-Shiba-Rusinov-chains**
L. Schneider, P. Beck, J. Neuhaus-Steinmetz, T. Posske, J. Wiebe, and R. Wiesendanger, virtual - International Conference of Nanoscience and Technology (ICN+T 2021), ()

2021-7-14: **Scanning tunneling spectroscopy of atom-by-atom assembled magnetic nanostructures on Au/Nb(110)**
P. Beck, L. Schneider, L. Rózsa, K. Palotás, A. Lázslóffy, L. Szunyogh, J. Wiebe, and R. Wiesendanger, virtual - International Conference of Nanoscience and Technology (ICN+T 2021), ()

2021-7-13: **Temperature and Magnetic Field Dependent Behavior of Atomic-Scale Skyrmions in Pd/Fe nanoislands on Ir(111)**
P. Lindner, L. Bargsten, S. Kovaric, J. Friedlein, J. Harm, S. Krause, and R. Wiesendanger, virtual - ICN+T 2021, ()

2021-7-12: **Spin texture of transition metal films on superconducting Nb(110)**
R. Lo Conte, M. Bazarnik, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, virtual - ICN+T 2021, ()

2021-7-12: **Phonon-mediated tunneling into Be(0001) surface states probed by scanning tunneling spectroscopy**
H. Osterhage, K. Oetker, R. Wiesendanger, and S. Krause, virtual - ICN+T 2021, ()

2021-7-12: **Step Edge Induced Anisotropic Chiral Spin Coupling Observed in Ultrathin Magnetic Films**
S. Krause, A. Schlenhoff, and R. Wiesendanger, virtual - ICN+T 2021, ()

2021-7-8: **Artificially constructed magnetic adatom chains: from Yu-Shiba-Rusinov bands to Majorana modes**
L. Schneider, P. Beck, T. Posske, J. Neuhaus-Steinmetz, L. Rózsa, K. Palotás, S. Rachel, J. Wiebe and R. Wiesendanger, virtual - Quantum Tinkerer group seminar, TU Delft, Delft (The Netherlands)

2021-6-21: **Tuning the properties of zero-field room temperature ferromagnetic skyrmions by interlayer exchange coupling**
R. Lo Conto, A. K. Nandy, G. Chen, A. L. Fernandez Causuro, A. Maity, C. Ophus, Z. Chen, A. T. NDiaye, K. Liu, A. K. Schmid, and R. Wiesendanger, virtual - Sol SkyMag, ()

2021-6-17: **Evidence for p-wave pairing and energy oscillations of precursor Majoranas in artificial finite-size Shiba chains**
J. Wiebe, virtual - Séminaire de la Laboratoire de Physique et d'Étude des Matériaux (LPEM) - École Supérieure de Physique et de Chimie Industrielles (ESPCI), Paris (France)

2021-5-17: **OnLine 1st Spanish School on Spintronics**
K. von Bergmann, virtual - OnLine 1st Spanish School on Spintronics, ()

2021-5-10: **Evidence for p-wave pairing and hybridizing Majoranas in artificial finite-size Shiba chains**
J. Wiebe, virtual - Atomic-scale quantum materials colloquium, Aalto University (Finland)

2021-3-31: **Artificial spin chains on superconductor surfaces**
J. Wiebe, virtual - Seminar in Condensed Matter Physics, Physik-Institut, University of Zurich, Zürich (Switzerland)

2021-3-20: **Novel excitations in an iron-based superconductor FeTe0.55Se0.45**
D. Wang, virtual - School of Physics, Beijing Institute of Technology, Beijing (China)

2021-3-19: **Emergent Majorana states in atomic-scale magnet-superconductor hybrid systems**
R. Wiesendanger, virtual - Ohio University (Colloquium), Athens (USA)

2021-2-23: **Emergent Majorana states in atomic-scale magnet-superconductor hybrid systems**
R. Wiesendanger, virtual - Norwegian University of Science and Technology (Colloquium), Trondheim (Norway)

2021-1-7: **Zero-field magnetic skyrmions in model-type systems studied with STM**
K. von Bergmann, virtual - 736. WE-Heraeus-Seminar, Bad Honnef (Germany)

2020-12-7: **Tuning the properties of zero-field room temperature ferromagnetic skyrmions by interlayer exchange coupling**
R. Lo Conto, A. K. Nandy, G. Chen, A. L. Fernandez Causuro, A. Maity, C. Ophus, Z. Chen, A. T. NDiaye, K. Liu, A. K. Schmid, and R. Wiesendanger, virtual - JEMS 2020, Lisbon (Portugal)

2020-11-27: **Zero-field magnetic skyrmions in model-type systems studied with STM**
K. von Bergmann, virtual - Condensed Matter Colloquim at the Paul-Scherrer-Institute, Villingen (Switzerland)

2020-11-12: **Using vacuum states above surfaces for imaging and manipulation of atomic-scale magnetism**
A. Schlenhoff, virtual - Department of Physics, University of Göttingen, Göttingen (Germany)

2020-11-6: **Tuning zero-field magnetic skyrmions in all-light-metals multilayers**
R. Lo Conte, A. K. Nandy, G. Chen, A. L. Fernandes Cauduro, A. Maity, C. Ophus, Z. Chen, A. T. N Diaye, K. Liu, A. K. Schmid, and R. Wiesendanger , virtual - MMM Conference 2020, (USA)

2020-11-4: **Role of higher-order magnetostatic Interactions for the directional Injection of Monopole Currents**
E. Y. Vedmedenko, virtual - MMM Conference 2020, (USA)

2020-11-3: **Experimental Observation of Interlayer Dzyaloshinskii-Moriya Interaction in Synthetic Antiferromagnets**
A. Fernandez-Pacheco, E. Y. Vedmedenko, F. Ummelen, R. Mansell, M. Cascales Sandoval, N. Jaouen, S. Stanescu, D. Petit, and R. Cowburn, virtual - MMM Conference 2020, (USA)

2020-10-21: **Quantencomputing: Von der wissenschaftlichen Vision zur wirtschaftlichen Relevanz**
R. Wiesendanger, Business Club Hamburg (Akademie im Gespräch), Hamburg (Germany)

2020-1-29: **An experimentalists' perspective on atomic scale magnetic states**
K. von Bergmann, Seminar talk at the Institute of Theoretical Physics at the University of Kiel, Kiel (Germany)

2020-1-16: **Nano-Scale Magnetic Skyrmions studied with Scanning Tunneling Microscopy**
K. von Bergmann, Seminar talk at the Max Planck Institute of Solid State Physics, Stuttgart (Germany)

2020-1-16: **From Skyrmions to Majoranas: Nanoscience inspired by particle physics theory**
R. Wiesendanger, Colloquium at the University of Rostock, Rostock (Germany)

2019-11-30: **Nanometer-scale magnetic Skyrmions studied with STM**
K. von Bergmann, 704 WE-Heraeus-Seminar, Deutsche Physikalische Gesellschaft, Bad Honnef (Germany)

2019-11-28: **Investigation of spin order and superconductivity in thin-film iron-based superconductors on topological insulators**
J. Wiebe, Festkörperphysikalisches Kolloquium, Max-Planck-Institut für chemische Physik fester Stoffe, Dresden (Deutschland)

2019-11-25: **From Skyrmions to Majoranas: Nanoscience inspired by particle physics theory**
R. Wiesendanger, Boltzmann Lecture, Wien (Austria)

2019-11-22: **From Skyrmions to Majoranas: Nanoscience inspired by particle physics theory**
R. Wiesendanger, Nicolas Cabrera Lecture, Madrid (Spain)

2019-11-8: **Majorana States in Atomic-Scale Magnet-Superconductor Hybrid Systems**
H. Kim, A. Palacio-Morales, and R. Wiesendanger, MMM 2019, Las Vegas (USA)

2019-11-5: **Significant Dzyaloshinskii-Moriya interaction induced by chemisorbed oxygen on ferromagnets**
G. Chen, A. Mascaraque, M.C. Robertson, R. Lo Cointe, M. A. González Barrio, H. Ding, R. Wiesendanger, E. G. Michel, A. K. Schmid, and K. Liu, MMM 2019, Las Vegas (USA)

2019-11-5: **Tuning the properties of zero-field room temperature magnetic skyrmions by interlayer exchange coupling**
R. Lo Conte, A. K. Nandy, G. Chen, A. L. Fernandes Cauduro, C. Ophus, K. Liu, A. K. Schmid, and R. Wiesendanger, MMM 2019, Las Vegas (USA)

2019-10-28: **STS of spin chains built on superconductors**
J. Wiebe, 704th WE-Heraeus-Seminar, Deutsche Physikalische Gesellschaft: Exploring the Limits of Nanoscience with Scanning Probe Methods, Bad Honnef (Germany)

2019-9-9: **Investigation of spin order and superconductivity in thin- lm iron-based superconductors on topological insulators**
J. Wiebe, Concluding workshop of the Priority Program Topological Insulators: Materials - Fundamental Properties - Devices (SPP 1666), Berlin (Germany)

2019-8-28: **Design of Majorana bound states in Engineered Atomic-Scale Superconductor-Magnet Hybrid systems**
H. Kim, Ulsan National Institute of Science and Technology (UNIST), Ulsan (Korea)

2019-8-26: **Long-range Focused Quasiparticle Scattering through the Fermi Surface on a Quasi-2D Superconductor**
H. Kim, D. Schreyer, L. Rózsa, and R. Wiesendanger, Gwangju Institute of Science and Technology (GIST), Gwangju (Korea)

2019-8-26: **Tuning non-collinear magnetic states by hydrogenation**
A. Finco, JEMS 2019, Uppsala (Sweden)

2019-8-23: **Long-range Focused Quasiparticle Scattering through the Fermi Surface on a Quasi-2D Superconductor**
H. Kim, D. Schreyer, L. Rózsa, and R. Wiesendanger, 11th International Conference on Magnetic and Superconducting Materials (MSM 19), Seoul (Korea)

2019-7-30: **Twisted magnon beams carrying orbital angular momentum**
A. F. Schäffer, C. Jia, D. Ma, and J. Berakdar, Magnonics, Carovigno (Italy)

2019-7-23: **Damping of spin wave modes in magnetic skyrmions**
L. Rózsa, J. Hagemeister, E. Y. Vedmedenko, and R. Wiesendanger, Group Seminar of Prof. U. Nowak, University of Konstanz, Konstanz (Germany)

2019-7-8: **Spin waves in magnetic nanostructures**
L. Rózsa, Group Seminar of Prof. J. Berakdar, Martin-Luther-Universität, Halle-Wittenberg (Germany)

2019-7-2: **Magneto-Seebeck Tunneling on the Atomic Scale**
S. Krause, C. Friesen, H. Osterhage, J. Friedlein, A. Schlenhoff, and R. Wiesendanger, International Conference on Nanoscience and Technology, Malmö (Sweden)

2019-7-2: **Vacuum resonance states as atomic-scale probes of noncollinear surface magnetism**
A. Schlenhoff, S. Kovarik, S. Krause, and R. Wiesendanger, International Conference on Nanoscience and Technology, Malmö (Sweden)

2019-6-26: **Damping of spin wave modes in magnetic skyrmions**
L. Rózsa, J. Hagemeister, E. Vedmedenko, and R. Wiesendanger, Sol-Skymag 2019, San Sebastian (Spain)

2019-6-25: **Stochastic dynamics and pattern formation of geometrically conﬁned skyrmions**
A. F. Schäffer, L. Rózsa, J. Berakdar, E. Y. Vedmedenko, and R. Wiesendanger, Sol-Skymag 2019, San Sebastian (Spain)

2019-6-19: **Vacuum resonance states as atomic-scale probes of surface magnetism**
A. Schlenhoff, S. Kovarik, S. Krause and R. Wiesendanger, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

2019-6-19: **Magneto-Seebeck Tunneling on the atomic scale**
C. Friesen, H. Osterhage, J. Friedlein, A. Schnelnhoff, R. Wiesendanger, and S. Krause, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

2019-6-19: **Yu-Shiba-Rusinov bands of arti cial spin chains on high-Z superconductors**
J. Wiebe, L. Schneider, M. Steinbrecher, L. Rosza, T. Posske, and R. Wiesendanger, 8th International Conference on Scanning Probe Spectroscopy (SPS) 2019, Hamburg (Germany)

2019-6-19: **Vacuum resonance states as atomic-scale probes of noncollinear surface magnetism**
A. Schlenhoff, S. Kovarik, S. Krause, and R. Wiesendanger , 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

2019-6-19: **Iron-based superconductor: A new platform for Majorana physics**
D. Wang, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

2019-6-19: **Characterization of the Gd-Pt surface alloys on Pt(111)**
M. Przychodnia, M. Hermanowicz, E. Sierda, M. Elsebach, R. Wiesendanger, and M. Bazarnik, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

2019-6-18: **On-surface chemistry of salophene on graphene**
M. Bazarnik, J. J. Goedecke, M. Elsebach, E. Sierda, L. Bignardi, and R. Wiesendanger, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

2019-6-18: **SP-STS Study of (Co-Sal)n-chains on Co-intercalated Graphene on Ir(111)**
M. Elsebach, E. Sierda, R. Wiesendanger, and M. Bazarnik, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

2019-6-18: **Magnetism of adsorbed Co-Salophene molecules revealed by SP-STM**
E. Sierda, M. Elsebach, M. Bazarnik, and R. Wiesendanger, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

2019-6-17: **Zero-field magnetic skyrmions in RhCo films on Ir(111)**
K. von Bergmann, 8th International Conference on Scanning Probe Spectroscopy (SPS 2019), Hamburg (Germany)

2019-5-27: **Magneto-Seebeck Tunneling on the Atomic Scale**
S. Krause, Seminar A. Khajetoorians, Nijmegen (The Netherlands)

2019-5-14: **Emergence of Majorana states in atomic-scale hybrid systems**
R. Wiesendanger, FZU (Colloquium), Prague (Czech Republic)

2019-5-6: **Force Microscopy and Detection of Magnetic Fields by Mechanical Methods**
A. Schwarz, OXiNEMS Kick-Off Meeting, Genoa (Italy)

2019-4-5: **Damping of spin wave modes in magnetic skyrmions**
L. Rózsa, J. Hagemeister, E. Vedmedenko, and R. Wiesendanger, 83rd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2019-4-5: **Investigation of superconductivity in spin chains on Re(0001)**
L. Schneider, M. Steinbrecher, L. Rósza, T. Posske, J. Wiebe, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2019-4-5: **Stabilizing Plumbene on Fe/Ir(111): a combined experimental and theoretical study**
G. Bihlmayer, J. Sassmannshausen, A. Kubetzka, K. von Bergmann, R. Wiesendanger, and S. Blügel, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2019-4-3: **Dynamics in confined skyrmion ensembles on different time scales**
A. F. Schäffer, L. Rózsa, J. Berakdar, E. Y. Vedmedenko, and R. Wiesendanger, Deutsche Physikalische Gesellschaft , Regensburg (Germany)

2019-4-3: **Metalation and Polymerization of 5,5'-Dibromosalophene on Co-intercalated Graphene**
J. Goedecke, M. Elsebach, M. Rohde, E. Sierda, M. Bazarnik, and R. Wiesendanger, 83rd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2019-4-1: **Magneto-Seebeck Tunneling on the Atomic Scale**
H. Osterhage, C. Friesen, J. Friedlein, A. Schlenhoff, R. Wiesendanger, and S. Krause, 83rd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2019-4-1: **Scanning Seebeck Tunneling Microscopy**
S. Krause, C. Friesen, H. Osterhage, J. Friedlein, A. Schlenhoff, and R. Wiesendanger, 83rd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2019-4-1: **Coexistence of RW-AFM and 3Q state in the Mn/Re(0001) monolayer investigated with SP-STM**
J. Spethmann, J. Sassmannshausen, A. Kubetzka, R. Wiesendanger, and K. von Bergmann, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2019-3-31: **Zero-field magnetic skyrmions in RhCo films on Ir(111)**
K. von Bergmann, Deutsche Physikalische Gesellschaf, Regensburg (Germany)

2019-3-25: **Revealing spin states in Co-salophene chains grown on GdAu2**
M. Bazarnik, M. Elsebach, E. Sierda, M. Ilyn, J. Dreiser, J. Brede, R. Wiesendanger, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2019-3-15: **Towards coherent dynamics in an atomic-mechanical quantum hybrid experiment**
T. Wagner, J. Butlewski, P. Rohse, C. Schellong, H. Zhong, A. Schwarz, R. Wiesendanger, K. Sengstock, and C. Becker, Deutsche Physikalische Gesellschaft, Rostock (Germany)

2019-3-8: **Exploring out-of-plane Mechanics of Graphene Membrane by 3D Force Field Spectroscopy on various Nanotubes**
M. Ashino, APS March Meeting, Boston, Massachusetts (USA)

2019-1-21: **Emerging exotic states in atomic-scale magnet-superconductor hybrid systems**
R. Wiesendanger, University of Augsburg (Colloquium), Augsburg (Germany)

2018-12-7: **Spin waves and damping in noncollinear spin systems**
L. Rózsa, Seminar of the Department of Theoretical Physics, Budapest University of Technology and Economics, Budapest (Hungary)

2018-11-5: **Emergence of Majorana states in atomic-scale hybrid systems**
R. Wiesendanger, University of Würzburg (Colloquium), Würzburg (Germany)

2018-11-3: **Molecule based planar spintronic logic devices: Salophene Based Oligomers on GdAu2 and Intercalated Graphene**
R. Wiesendanger and Maciej Bazarnik, Peer Review Meeting ONR, Berkeley (USA)

2018-10-24: **Tailoring magnetic skyrmions in ultrathin films**
L. Rózsa, Seminar at the Dahlem Center for Complex Quantum Systems, Freie Universität Berlin, Berlin (Germany)

2018-10-22: **Design of Majorana bound states in artificially constructed magnetic atom chains on elemental superconductors**
H. Kim, Department of Physics, Chung-Ang University, Seoul (South Korea)

2018-9-25: **Emerging exotic states in atomic-scale magnet-superconductor hybrid systems**
R. Wiesendanger, TU Budapest (Colloquium), Budapest (Hungary)

2018-9-6: **Interlayer DM coupling**
E. Y. Vedmedenko , Joint European Magnetism Symposium , Mainz (Germany)

2018-9-4: **Fluctuating skyrmion ensembles on finite Pd/Fe/Ir(111) nanoislands**
A. F. Schäffer, L. Rózsa, J. Berakdar, E. Y. Vedmedenko, and R. Wiesendanger, 9th Joint European Magnetic Symposia (JEMS), Mainz (Germany)

2018-9-3: **Damped localized excitations in kπ-skyrmions**
L. Rózsa, J. Hagemeister, E. Vedmedenko, and R. Wiesendanger, 9th Joint European Magnetic Symposia (JEMS), Mainz (Germany)

2018-7-25: **Magneto-Seebeck Tunneling Across a Vacuum Barrier**
C. Friesen, H. Osterhage, J. Friedlein, A. Schlenhoff, R. Wiesendanger, and S. Krause, International Conference on Nanoscience and Technology, Brno (Czech Republic)

2018-7-24: **Majorana bound states vs. Yu-Shiba-Rusinov states in artificially constructed magnetic atom-chains on elemental superconductors**
H. Kim, A. Palacio-Morales, T. Posske, L. Rózsa, K. Palotás, L. Szunyogh, M. Thorwart, and R. Wiesendanger, International conference on Nanoscience and Technology (ICN+T) 2018, Brno (Czech Republic)

2018-7-24: **Scanning tunneling spectroscopy of 3d transition metal atoms on superconducting Re(0001)**
L. Schneider, M. Steinbrecher, L. Rósza, J. Wiebe, and R. Wiesendanger, ICN+T, Brno (Czech Republic)

2018-7-18: **Magneto-Seebeck Tunneling Across a Vacuum Barrier**
C. Friesen, H. Osterhage, J. Friedlein, A. Schlenhoff, R. Wiesendanger, and S. Krause , International Conference on Magnetism (ICM-21), San Francisco (USA)

2018-6-22: **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 , Sol-Skymag 2018, San Sebastian (Spain)

2018-6-19: **Stability of interfacial skyrmions, solitons and bound monopoles: how to store energy in topological magnetic quasiparticles**
E. Y. Vedmedenko, Seminar on Mesoscopic Systems at the , Villingen (Switzerland)

2018-6-12: **Hot-electron interactions with non-collinear surface spins revealed via image-potential states**
A. Schlenhoff, Department of Physics, TU Wien , Vienna (Austria)

2018-6-12: **Manipulation of interface-induced Skyrmions studied with STM**
K. von Bergmann, General Seminar, Laboratoire de Physique des Solides (Antonio Tejeda), Paris Sud (France)

2018-5-18: **Emergence of Majorana states in atomic-scale hybrid systems**
R. Wiesendanger, Hamburg Photon Science Colloquium, Hamburg (Germany)

2018-5-2: **Emulation of Spin Systems via Artificial Arrays of Magnetic Atoms**
J. Wiebe, Seminar of the Peter Grünberg Institute (PGI) und Institute for Advanced Simulation (IAS), Forschungszentrum Jülich, Jülich (Deutschland)

2018-4-25: **Domain Imaging Across the Magneto-Structural Phase Transition in Fe1+yTe**
J. Warmuth, M. Bremholm, P. Hofmann, J. Wiebe, and R. Wiesendanger, Intermag, Singapore (Singapore)

2018-3-23: **Scanning field emission microscopy of magnetic surfaces and atomic-scale magnets**
A. Schlenhoff, Department of Physical Chemistry, University of Graz , Graz (Austria)

2018-3-16: **Spin-Resolved Spectroscopy of the Yu-Shiba-Rusinov States of Individual Atoms**
L. Cornils, A. Kamlapure, L. Zhou, S. Pradhan, A. A. Khajetoorians, J. Fransson, J. Wiebe, and R. Wiesendanger, DPG-Frühjahrstagung und EPS-CMD27, Berlin (Germany)

2018-3-16: **Scanning tunneling spectroscopy of 3d transition metal atoms on superconducting Re(0001)**
L. Schneider, M. Steinbrecher, L. Rósza, J. Wiebe, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-15: **Long spin relaxation time in a transition metal atom incontact to a metal substrate**
J. Hermenau, M. Ternes, M. Steinbrecher, J. Wiebe, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-15: **Step Edge Induced Anisotropic Chiral Spin Coupling Observed in Ultrathin Magnetic Films**
S. Krause, A. Schlenhoff and R. Wiesendanger, 82nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-15: **Hot electrons interacting with non-collinear surface spins**
A. Schlenhoff, S. Krause and R. Wiesendanger, 82nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-15: **Experimental Investigation into the thermomagnetic Phase Diagram of Pd/Fe/Ir(111)**
P. Lindner, L. Bargsten, J. Friedlein, J. Harm, S. Krause, and R. Wiesendanger, 82nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-15: **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 , 82nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-14: **Domain Imaging Across the Magneto-Structural Phase Transition in Fe1+yTe**
J. Warmuth, M. Bremholm, P. Hofmann, J. Wiebe, and R. Wiesendanger, DPG Frühjahrestagung 2018, Berlin (Germany)

2018-3-14: **Voltage controlled magnetization dynamics in nanostructured multiferroic multilayer systems**
A. F. Schäffer and J. Berakdar, Deutsche Physikalische Gesellschaft (Frühjahrstagung), Berlin (Germany)

2018-3-14: **Site-Dependent Conformation of Fe-phthalocyanine on Fe/W(001)**
A. Schwarz, J. Grenz, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-14: **Engineering the coupling in atomically crafted spin chains on elemental superconductors**
A. Kamlapure, L. Cornils, J. Wiebe, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-14: **Combined sympathetic and feedback cooling in an atom-optomechanical hybrid system**
T. Wagner, P. Christoph, H. Zhong, A. Schwarz, R. Wiesendanger, K. Sengstock, and C. Becker, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-13: **Magneto-Seebeck Tunneling Across a Vacuum Barrier**
C. Friesen and S. Krause, 82nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-12: **A multiprobe scanning tunneling microscope with picosecond time resolution**
J. Harm, J. Friedlein, J. Koch, M. Bazarnik, S. Krause, and R. Wiesendanger, 82nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-12: **Structure and magnetism of an hydrogenated Fe monolayer on Ir(111)**
A. Finco, P. J. Hsu, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-10: **On-surface Metalation of the Salophene Ligand and Investigations of local Electronic Properties**
M. Elsebach, J. Goedecke, E. Sierda, M. Przychodnia, M. Bazarnik, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-10: **Magnetism of Salophene based molecules**
E. Sierda, M. Elsebach, M. Bazarnik, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2018-3-5: **Various ways to tune non-collinear magnetism in ultrathin films**
A. Finco, P. J. Hsu, L. Rózsa, A. Kubethka, E. Vedmedenko, K. von Bergmann, and R. Wiesendanger, Laboratoire Charles Coulomb, Montpellier (France)

2018-2-13: **Energy Storage in Topological Structures**
E. Y. Vedmedenko, Theory seminar of Martin-Luther University, Halle (Germany)

2018-2-6: **Employing Fe atoms' magnetism: Individual spins and nanostructures on a metal or a superconductor**
M. Steinbrecher, Group Seminar AG Prof. A. A. Khajetoorians, Nijmegen (The Netherlands)

2018-2-3: **Various ways to tune non-collinear magnetism in ultrathin films**
A. Finco, P. J. Hsu, L. Rózsa, A. Kubetzka, E. Vedmedenko, K. von Bergmann, and R. Wiesendanger, SPINTEC, Grenoble (France)

2018-1-25: **Image-potential states on non-collinear spin textures and atomic-scale magnets studied by spin-polarized scanning field emission microscopy**
A. Schlenhoff, Donostia International Physics Center, San Sebastian (Spain)

2018-1-17: **Atomic Scale Magnetic Imaging and Spectroscopy: from Artificial Arrays of Magnetic Atoms to Iron Based Superconductors**
J. Wiebe, Seminar at the Center for Hybrid Nanostructures (CHyN), Hamburg University, Hamburg (Germany)

2017-12-18: **Design of Majorana bound states in artificially constructed magnetic atom chains on elemental superconductors**
H. Kim, Quantum Material Science Unit, Okinawa Institute of Science and Technology, Okinawa (Japan)

2017-11-24: **Manipulation of interface-induced Skyrmions studied with STM**
K. von Bergmann, Colloquium, School of Physics and Astronomy, Univ. of St Andrews (UK)

2017-11-8: **Magnetic Exchange Force Microscopy and Spectroscopy**
A. Schwarz, Institute of Physics, Czech Academy of Sciences, Prague (Czech Republic)

2017-10-12: **Tuning Fe atoms magnetism: From single atoms to bottom-up spin-spirals**
M. Steinbrecher, Group Seminar AG Prof. H. Brune, Lausanne (Switzerland)

2017-9-28: **Nanotechnologie in Wissenschaft und Alltag**
H. Fuchs, Salzforum des Halleschen Salinemuseum e.V., Halle (Saale) (Germany)

2017-9-25: **Imaging the Nanoskyrmion Lattice on the Fe Monolayer on Ir(111) by Magnetic Exchange Force Microscopy**
A. Schwarz, J. Grenz, and R. Wiesendanger, NCAFM, Suzhou (China)

2017-9-19: **Noncollinear spin configurations in ultrathin magnetic films**
L. Rózsa, Seminar of Institute for Solid State Physics and Optics, Wigner Research Centre for Physics, Budapest (Hungary)

2017-8-28: **Magnetic Exchange Force Microscopy and Spectroscopy**
A. Schwarz, Radboud University, Nijmegen (The Netherlands)

2017-8-16: **Engineering the coupling of Yu-Shiba-Rusinov states in a chain of magnetic adatoms**
A. Kamlapure, L. Cornils, S. Pradhan, J. Fransson, J. Wiebe, and R. Wiesendanger, 28th International Conference on Low Temperature Physics (LT28), Gothenburg (Sweden)

2017-8-11: **Majorana bound states vs. Shiba states in artificially constructed magnetic Fe atom-chains on superconducting Re(0001)**
H. Kim, A. Palacio-Morales, T. Posske, and R. Wiesendanger, 28th International Conference on Low Temperature Physics (LT28), Gothenburg (Sweden)

2017-7-10: **Detecting Electric Dipole Moments with Metallic Tips**
A. Schwarz, University of Mainz, Mainz (Germany)

2017-7-5: **From Skyrmions to Majoranas: Modern solid state physics inspired by particle physics theory**
R. Wiesendanger, DAAD Summer School on "Particles, Strings and Cosmology, Hamburg (Germany)

2017-6-29: **Artificial arrays of magnetic atoms on metallic surfaces**
J. Wiebe, SFB 668 International Symposium, Hamburg (Germany)

2017-6-28: **Magnetization dynamics studied on the atomic scale**
S. Krause, SFB 668 International Symposium, Hamburg (Deutschland)

2017-6-28: **Imaging and manipulation of non-collinear magnetic stats**
K. von Bergmann, SFB668 International Symposium, Hamburg (Germany)

2017-6-28: **Stability and atomic-level control of non-collinear magnetic structures**
E. Y. Vedmedenko, SFB668 International Symposium, Hamburg (Germany)

2017-5-10: **Noncollinear spin configurations in ultrathin magnetic films**
L. Rózsa, Hungarian Academy of Sciences (Colloquium), Budapest (Hungary)

2017-4-18: **Coexistence of magnetism and superconductivity in iron-based superconductors on the atomic scale**
J. Wiebe, Festkörperphysik-Seminar, Institut für Theoretische Physik, Universität Bremen, Bremen (Germany)

2017-3-24: **Spatial variation of the two-fold anisotropic superconducting gap in a monolayer of FeSe0.5Te0.5 on a topological insulator**
A. Kamlapure, S. Manna, L. Cornils, T. Hänke, M. Bremholm, P. Hofmann, J. Wiebe, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2017-3-24: **Probing short and long range magnetic interactions on the nanoskyrmion system Fe/Ir(111) with force spectroscopy**
A. Schwarz, J. Grenz, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2017-3-24: **Hydrogen-Induced Skyrmions in Ultrathin Iron Films**
P. J. Hsu, L. Schmidt, A. Finco, N. Romming, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2017-3-24: **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, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2017-3-23: **Chiral Spin Coupling Across the Interface of Fe/W(110) Monolayer - Double Layer Coverages**
A. Schlenhoff, S. Krause and R. Wiesendanger, 81st Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2017-3-23: **Magneto-Seebeck Tunneling Across a Vacuum Barrier**
C. Friesen, H. Osterhage and S. Krause, 81st Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2017-3-23: **Ultrathin FeSe films on Bi2Se3(0001) studied by STM and STS**
J. Warmuth, U. R. Singh, V. Markmann, J. Wiebe, and R. Wiesendanger, DPG Frühjahrestagung 2017, Dresden (Germany)

2017-3-23: **Skyrmions with attractive interactions in an ultrathin magnetic film**
L. Rózsa, A. Deák, E. Simon, R. Yanes, L. Udvardi, L. Szunyogh, and U. Nowak, 81st Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2017-3-23: **Domain wall profiles in Co/Irn/Pt(111) ultrathin films**
G. J. Vida, E. Simon, L. Rózsa, K. Palotás, and L. Szunyogh, 81st Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2017-3-22: **Electronic and magnetic properties of the GdAu2 surface alloy probed by SP-STM**
M. Bazarnik, E. Sierda, M. Abadia, M. Elsebach, J.Brede, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2017-3-22: **Electronic Properties of Tailored Co-Salophene Based Building Blocks on Ag(111)**
M. Elsebach, E. Sierda, B. Bugenhagen, M. Prosenc, R. Wiesendanger, and M. Bazarnik, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2017-3-21: **Repulsive Skyrmion Interaction observed in Pd/Fe-Nanoislands on Ir(111)**
P. Lindner, J. Friedlein, J. Harm, S. Krause, and R. Wiesendanger, 81st Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2017-3-21: **Measurement of a Nano-Skyrmionic lattice via Magnetic Exchange Force Microscopy**
J. Grenz, A. Schwarz, and R. Wiesendanger, 81st Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2017-3-20: **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, and R. Wiesendanger, DPG 2017, Dresden (Germany)

2017-3-20: **Ultrathin FeSe films on Bi2Se3**
J. Warmuth, U. R. Singh, V. Markmann, J. Wiebe, and R. Wiesendanger, 81th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2017-3-6: **Tailoring non-collinear magnetism by misfit dislocation lines**
A. Finco, P. J. Hsu, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2017-2-17: **Nanotechnologie: Das unsichtbar Kleine mit großem Potential**
R. Wiesendanger, Übersee-Club Hamburg, Hamburg (Germany)

2017-2-15: **Coexistence of magnetism and superconductivity in iron-based superconductors on the atomic scale**
J. Wiebe, Seminar at the Nanoscale Science Department of the Max Planck Institute for Solid State Research, Stuttgart (Germany)

2017-1-26: **Informations- und Kommunikationstechnik als Basis unserer Wissensgesellschaft: Was bringt die Zukunft?**
R. Wiesendanger, Hamburger Gesellschaft „Harmonie“ von 1789, Hamburg (Germany)

2017-1-23: **Coexistence of Magnetism and Superconductivity in Iron-Based Superconductors on the Atomic Scale**
J. Wiebe, Physikalisches Kolloquium der Ruhr-Universität Bochum , Bochum (Germany)

2016-12-1: **Engineering of organic nano-wires with magnetic atoms embedded in them**
E. Sierda, VIII Seminar on Research Conducted Using Scanning Probe Techniques, Zakopane (Poland)

2016-11-22: **Nanotechnologie in Wissenschaft und Alltag**
H. Fuchs, Ringvorlesung "Physik im Alltag", Hamburg (Germany)

2016-11-14: **Stability of interfacial skyrmions, solitons and bound monopoles: how to store energy in topological magnetic quasiparticles**
E. Y. Vedmedenko, Theory-Colloquium, Martin-Luther University of Halle-Wittenberg , Halle (Germany)

2016-11-7: **Interfacing Ultracold Atoms with a Millikelvin Nanomechanical Resonator**
H. Zhong, Mini Workshop of the DFG Research Training Group 1991 – quantummechanical noise in complex systems, Hamburg (Germany)

2016-11-7: **Nanofiction und Nanoreality**
E. Y. Vedmedenko, 6. Nacht des Wissens, Hamburg (Germany)

2016-11-3: **High-Frequency Magnetization Dynamics of Individual Atomic-Scale Magnets**
S. Krause, A. Sonntag, J. Hermenau, J. Friedlein and R. Wiesendanger, 61st Annual Conference on Magnetism and Magnetic Materials, New Orleans, LA (USA)

2016-11-3: **Stability of interfacial skyrmions, solitons and bound monopoles: how to store energy in topological magnetic quasiparticles**
E. Y. Vedmedenko, Inernational Conference on Magnetism and Magnetic Materials (MMM2017), New-Orleans (USA)

2016-11-3: **Coupling of coexisting non-collinear Spin States in Fe Monolayer on Re(100)**
A. Palacio Morales, A. Kubetzka, K. von Bergmann, and R. Wiesendanger,, MMM16 conference, New Orleans (USA)

2016-10-8: **Informations- und Kommunikationstechnik als Basis unserer Wissensgesellschaft: Was bringt die Zukunft?**
R. Wiesendanger, Hamburger Tag der Nanotechnologie, Hamburg (Germany)

2016-10-8: **Informationstechnologie von Morgen: Logische Gatter aus elf Atomen**
J. Wiebe, Hamburger Tag der Nanotechnologie, Hamburg (Germany)

2016-10-8: **Magnetische Knoten als Datenspeicher der Zukunft**
K. von Bergmann, Hamburger Tag der Nanotechnologie, Hamburg (Germany)

2016-10-8: **Telegramme aus der Nanowelt: Magnetisierungsdynamik auf atomarer Skala**
S. Krause, Hamburger Tag der Nanotechnologie, Hamburg (Germany)

2016-10-8: **Nanofiction und Nanoreality**
J. Hagemeister, Hamburger Tag der Nanotechnologie, Hamburg (Germany)

2016-10-8: **]KräfteMessen[**
A. Schwarz, Hamburger Tag der Nanotechnologie, Hamburg (Germany)

2016-8-30: **Electronic and magnetic properties of the GdAu2 surface alloy probed by SP-STM**
M. Bazarnik, E. Sierda, M. Abadia, M. Elsebach, J.Brede,and R. Wiesendanger, SPSTM-2016, Chiba (Japan)

2016-8-30: **Magnetic stability of an Fe trimer on Pt(111)**
J. Hermenau, A. Sonntag, J. Ibanez-Azpiroz, Chr. Hübner, M. Steinbrecher, A. A. Khajetoorians, B. Baxevanis, S. Lounis, J. Wiebe, and R. Wiesendanger, SP-STM 2016, Chiba/Tokyo (Japan)

2016-8-23: **A Magnetic Nano-Skyrmion Lattice Observed in a Si-Wafer Based Multilayer System**
A. Schlenhoff, S. Krause, P. Lindner, J. Friedlein, R.Wiesendanger, M. Weinl, M. Schreck, and M. Albrecht, International Conference on Nanoscience and Technology, Busan (Republic of Korea)

2016-8-23: **High Frequency Magnetization Dynamics of Individual Atomic-Scale Magnets**
S. Krause, A. Sonntag, J. Hermenau, J. Friedlein, and R. Wiesendanger, International Conference on Nanoscience and Technology, Busan (Republic of Korea)

2016-8-23: **Minimal radius of magnetic skyrmions: statics and dynamics**
E. Y. Vedmedenko, A. Siemens, Y. Zhang, J. Hagemeister, and R. Wiesendanger , JEMS 2016, Glasgow (UK)

2016-8-22: **Complex Spin States and Skyrmions in confined geometries**
N. Romming, K. von Bergmann, A. Kubetzka, and R. Wiesendanger, International Conference on Nanoscience and Technology, Busan (Republic of Korea)

2016-8-22: **Towards tailored all-spin molecular devices**
M. Bazarnik, B. Bugenhagen, M. Elsebach, E. Sierda, A. Frank,M.H. Prosenc, R. Wiesendanger, 20th International Vacuum Congress, Busan (South Korea)

2016-8-20: **Magnetic stability of an Fe trimer on Pt(111)**
J. Hermenau, A. Sonntag, J. Ibanez-Azpiroz, Chr. Hübner, M. Steinbrecher, A. A. Khajetoorians, B. Baxevanis, S. Lounis, J. Wiebe, and R. Wiesendanger, ICN+T 2016, Busan (South Korea)

2016-8-2: **Evidence for superconductivity in the anti-ferromagnetic phase of monolayer FeTe on Bi2Te3**
L. Cornils, S. Manna, A. Kamlapure, T. Hänke, U. Singh, J. Warmuth, J. Hu, Z. Mao, M. Bremholm, B. B. Iversen, P. Hofmann, J. Wiebe, and R. Wiesendanger, International Conference on the Physics of Semiconductors, Peking (China)

2016-7-25: **Probing the interaction between adsorbed hydrogen and a metallic tip**
J. Grenz, A. Schwarz, and R. Wiesendanger, 19th International Conference on non-contact Atomic Force Microscopy, Nottingham (England)

2016-7-25: **Indication of a superexchange mediated coupling between Co-Salen and NiO(001)**
A. Schwarz, J. Grenz, and R. Wiesendanger, 19th International Conference on non-contact Atomic Force Microscopy, Nottingham (UK)

2016-6-25: **Co-Salophene oligomers growth on Ag(111) and Au(111) surfaces – STM and XPS study**
E. Sierda, M. Abadia, J. Brede, M. Elsebach, B. Bugenhagen, M. H. Prosenc, M. Bazarnik, and R. Wiesendanger, NanoTech Poland 2016, Poznan (Poland)

2016-6-9: **Magnetic skyrmions: investigation and manipulation by STM**
Kirsten von Bergmann, SPIN+X Colloquium, Mainz (Germany)

2016-5-6: **Neue bedeutsame Entwicklungen für die Informations- und Kommunikationstechnik der Zukunft**
R. Wiesendanger, Rotary Club HH-Altona, Hamburg (Germany)

2016-4-28: **Investigation and Manipulation of Single Magnetic Skyrmions**
N. Romming, A. Kubetzka, Ch. Hanneken, F. Otte, B. Dupé, K. von Bergmann, S. Heinze, and R. Wiesendanger, Seminar Uni Kiel, Kiel (Germany)

2016-4-14: **Magnetische Knoten auf der Nanometerskala: von der Grundlagenforschung zu neuen Datenspeicherkonzepten**
R. Wiesendanger, University of Bremen (Colloquium), Bremen (Germany)

2016-3-18: **Tailoring the chiral magnetic interaction between two individual atoms**
J. Wiebe, A. A. Khajetoorians, M. Steinbrecher, M. Ternes, M. Bouhassoune, M. Dos Santos Dias, S. Lounis, and R. Wiesendanger, APS March Meeting, Baltimore, Maryland (USA)

2016-3-11: **Bi2Se3-based heterostructures including magnetic layers: the case of n-QLs Bi2Se3 ontop of Mn-doped Bi2Se3**
J. Honolka, M. Valiska, J. Warmuth, M. Michiardi, M. Vondracek, A. S. Ngankeu, V. Holy, M. Bianchi, G. Springholz, V. Sechovsky, P. Hofmann, and J. Wiebe, DPG Frühjahrestagung 2016, Regensburg (Germany)

2016-3-9: **High Frequency Magnetization Dynamics of Individual Atomic-Scale Magnets**
S. Krause, A. Sonntag, J. Hermenau, Johannes Friedlein, and R. Wiesendanger, 80th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2016-3-9: **Investigation of the electronic and magnetic structure of thin layer FeTe on Bi2Te3**
L. Cornils, S. Manna, A. Kamlapure, T. Hänke, U. Singh,J. Warmuth, J. Hu, Z. Mao, M. Bremholm, B. B. Iversen, P. Hofmann, J. Wiebe, and R. Wiesendanger, 80th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2016-3-9: **Non collinear magnetic order atroom temperature**
A. Finco, P.-J. Hsu, N. Romming, T. Eelbo,L. Schmidt, A. Kubetzka, K. von Bergmann,and R. Wiesendanger, 80th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2016-3-8: **Exchange driven spin spiral in Rh/Fe/Ir(111)**
N. Romming, M. Hoffmann, B. Dupé, A. Kubetzka, K. von Bergmann, S. Heinze, and R. Wiesendanger, 80th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2016-3-8: **Co-Salen on NiO(001): Indication of a superexchange mediatedcoupling between a magnetic molecule and an antiferromagneticbulk insulating substrate**
A. Schwarz, J. Grenz, and R. Wiesendanger, 77th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2016-3-8: **Tuning magnetic coupling between organic-metal hybrids mediated by a nanoskyrmion lattice**
M. Bazarnik, J. Brede, and R. Wiesendanger, 80th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2016-3-8: **Competition between complex magnetic states of Fe/Re(0001)**
A. Palacio Morales, K. von Bergmann, A. Kubetzka, and R. Wiesendanger, 80. Jahrestagung der DPG und DPG-Frühjahrstagung, Regensburg (Germany)

2016-3-7: **Electric field switching of individual magnetic skyrmions**
P.-J. Hsu, A. Kubetzka, A. Finco, N. Romming, K. von Bergmann, and R. Wiesendanger,, 80th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2016-3-7: **Influence of lattice strain on the formation of magneticskyrmions**
J. Hagemeister, E. Vedmedenko, andR. Wiesendanger, 80th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2016-1-21: **Description of magnetic phase transitions by Monte-Carlo simulations**
E. Y. Vedmedenko , European XFEL Theory seminar, Hamburg (Germany)

2016-1-14: **Temperature and field dependent SP-STMinvestigation of the non-collinear magneticstructures of several layers of Fe on Ir(111)**
A. Finco, P.-J. Hsu, N. Romming, T. Eelbo,L. Schmidt, A. Kubetzka, K. von Bergmann,and R. Wiesendanger, 2016 IEEE Joint Magnetism and Magnetic Materials - INTERMAG Conference, San Diego (USA)

2015-12-10: **Topological Magnetic Skyrmions investigated by STM**
Kirsten von Bergmann, SFB 1170 Seminar, Würzburg (G)

2015-12-8: **Magnetische Knoten als Datenspeicher der Zukunft?**
Kirsten von Bergmann, Junge Wissenschaftler im Gespräch, Universitäts-Gesellschaft Hamburg, Hamburg (Germany)

2015-11-30: **Neue bedeutsame Entwicklungen für die Informations- und Kommunikationstechnik der Zukunft**
R. Wiesendanger, Rotary Club HH-Deichtor, Hamburg (Germany)

2015-11-24: **Nanotechnologie in Wissenschaft und Alltag**
H Fuchs, Ringvorlesung "Physik im Alltag", Hamburg (Germany)

2015-11-7: **Telegramme aus der Nanowelt: Magnetisierungsdynamik auf atomarer Skala**
S. Krause, 6. Nacht des Wissens, Hamburg (Germany)

2015-11-7: **Informations- und Kommunikationstechnik als Basis unserer Wissensgesellschaft: Was bringt die Zukunft?**
R. Wiesendanger, 6. Nacht des Wissens, Hamburg (Germany)

2015-11-7: **Informationstechnologie von Morgen: Logische Gatter aus elf Atomen**
J. Wiebe, 6. Nacht des Wissens, Hamburg (Germany)

2015-11-7: **Magnetische Knoten als Datenspeicher der Zukunft**
K. von Bergmann, 6. Nacht des Wissens, Hamburg (Germany)

2015-11-5: **Magnetic non-collinear and local density of states in PdFe/Ir(111)**
A. Kubetzka, C. Hanneken, N. Romming, K. von Bergmann, R. Wiesendanger, F. Otte, B. Dupé, and S. Heinze, 598. WE-Heraeus-Seminar, Bad Honnef (Germany)

2015-11-2: **Band gap induced by Bi intercalation of graphene on Ir(111)**
J. Warmuth, A. Bruix, M. Michiardi, T. Hänke, M. Bianchi, J. Wiebe, R. Wiesendanger, B. Hammer, P. Hofmann, and A. A. Khajetoorians, 598. Herarus Seminar, Bad Honnef (Germany)

2015-10-7: **Informations- und Kommunikationstechnik als Basis unserer Wissensgesellschaft: Was bringt die Zukunft?".**
R. Wiesendanger, 6. Nacht des Wissens, Hamburg (Germany)

2015-10-7: **KräfteMessen**
A. Schwarz, 6. Nacht des Wissens, Hamburg (Germany)

2015-10-3: **Interfacial electronic and magnetic properties in Fe-chalcogenide thin films studied by spin-polarized STM**
S. Manna, Physics of Interfaces and Layered Structures, Nordita, Stockholm (Sweden)

2015-10-2: **Spinauflösende lokale Spektroskopie von Atom für Atom gebauten magnetischen Nanostrukturen**
M. Steinbrecher, Abschlußkolloquium des Graduiertenkolleg 1286, Hamburg (Germany)

2015-10-2: **Passive Bauelemente von Vishay Beyschlag**
P. Löptien, Abschlußkolloquium des Graduiertenkolleg 1286, Hamburg (Germany)

2015-9-19: **Informationstechnologie von Morgen: Logische Gatter aus elf Atomen**
M. Steinbrecher, Neueröffnung der Ausstellung "Nanotechnologie - Aufbruch in neue Welten", Hamburg (Germany)

2015-9-19: **Informations- und Kommunikationstechnik als Basis unserer Wissensgesellschaft: Was bringt die Zukunft?**
R. Wiesendanger, Neueröffnung der Ausstellung "Nanotechnologie - Aufbruch in neue Welten", Hamburg (Germany)

2015-9-19: **Telegramme aus der Nanowelt: Magnetisierungsdynamik auf atomarer Skala**
S. Krause, Neueröffnung der Ausstellung "Nanotechnologie - Aufbruch in neue Welten", Hamburg (Germany)

2015-9-19: **[KräfteMessen]**
A. Schwarz, Neueröffnung der Ausstellung "Nanotechnologie - Aufbruch in neue Welten", Hamburg (Germany)

2015-9-19: **Nanofiction und Nanoreality**
E. Y. Vedmedenko , Neueröffnung der Ausstellung "Nanotechnologie - Aufbruch in neue Welten", Hamburg (Germany)

2015-9-18: **Informationstechnologie von Morgen: Logische Gatter aus elf Atomen**
J. Wiebe, Neueröffnung der Ausstellung "Nanotechnologie - Aufbruch in neue Welten", Hamburg (Germany)

2015-9-18: **Magnetische Knoten als Datenspeicher der Zukunft**
N. Romming, eueröffnung der Ausstellung "Nanotechnologie - Aufbruch in neue Welten", Hamburg (Germany)

2015-9-18: **Magnetische Knoten als Datenspeicher der Zukunft**
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2015-9-18: **Informations- und Kommunikationstechnik als Basis unserer Wissensgesellschaft: Was bringt die Zukunft?**
R. Wiesendanger, Neueröffnung der Ausstellung "Nanotechnologie - Aufbruch in neue Welten", Hamburg (Germany)

2015-9-18: **Telegramme aus der Nanowelt: Magnetisierungsdynamik auf atomarer Skala**
S. Krause, Neueröffnung der Ausstellung "Nanotechnologie - Aufbruch in neue Welten", Hamburg (Germany)

2015-9-18: **]KräfteMessen[**
A. Schwarz, Neueröffnung der Ausstellung "Nanotechnologie - Aufbruch in neue Welten", Hamburg (Germany)

2015-9-18: **Nanofiction und Nanoreality**
E. Y. Vedmedenko , Neueröffnung der Ausstellung "Nanotechnologie - Aufbruch in neue Welten", Hamburg (Germany)

2015-9-9: **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, 18th International Conference on non-contact Atomic Force Microscopy, Cassis (France)

2015-9-9: **Detecting Antiferromagnetic Domain Walls on the Fe Monolayer on W(001) with Magnetic Exchange Force Microscopy**
A. Schwarz, J. Grenz, and R. Wiesendanger, 18th International Conference on non-contact Atomic Force Microscopy, Cassis (France)

2015-7-10: **A Magnetic Nano-Skyrmion Lattice Observed in a Si-Wafer Based Multilayer System**
S. Krause, A. Schlenhoff, P. Lindner, J. Friedlein, R.Wiesendanger, M. Weinl, M. Schreck, and M. Albrecht, 20th International Conference on Magnetism (ICM-20), Barcelona (Spain)

2015-7-10: **Conduction-electron mediated Dzyaloshinskii-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, 20th International Conference on Magnetism, Barcelona (Spain)

2015-7-8: **Electric-Field-Induced Magnetic Anisotropy in a Nanomagnet Investigated on the Atomic Scale**
J. P. Hermenau, A. Sonntag, A. Schlenhoff, J. Friedlein,S. Krause, and R. Wiesendanger, 20th International Conference on Magnetism (ICM-20), Barcelona (Spain)

2015-7-8: **Guiding of zigzag spin spiral by local uniaxial strain relief**
P.-J. Hsu, A. Finco, L. Schmidt, A. Kubetzka, K. von Bergmann, and R. Wiesendanger,, 20th International Conference on Magnetism, Barcelona (Spain)

2015-6-24: **Tailoring magnetic coupling between organic-metal hybrids mediated by a nanoskyrmion lattice**
M. Bazarnik, J. Brede, N. Atodiresei, V. Caciuc, A. Al-Zubi, S. Blügel, and R. Wiesendanger,, SPS 2015, Poznan (Poland)

2015-6-24: **On-surface preparation of self-terminating molecular chains**
E. Sierda, M. Bazarnik, B. Bugenhagen, M. H. Prosenc, W. Koczorowski, and R. Wiesendanger, SPS 2015, Poznan (Poland)

2015-6-23: **Nanoscience and Nanotechnology**
R. Wiesendanger, Acceptance Speech Docor Honoris Causa, Poznan (Poland)

2015-6-22: **Tailoring magnetic coupling between organic-metal hybrids mediated by a nanoskyrmion lattice**
M. Bazarnik, J. Brede, N. Atodiresei, V. Caciuc,A. Al-Zubi, S. Blügel, and R. Wiesendanger, SPS 2015 conference, Poznan (Poland)

2015-5-27: **Preliminary calculations on how much entropy change can be expected at the SPM.SFM transition in supercrystals (II)**
E. Y. Vedmedenko, MACALONS project, Rome (Italy)

2015-5-26: **Investigation and Manipulation of Single Magnetic Skyrmions**
N. Romming, A. Kubetzka, Ch. Hanneken, K. von Bergmann, and R. Wiesendanger, Seminar at the Centre for Quantum Computation and Communication Technology, Sydney (Australia)

2015-5-21: **From Spin Spirals to Magnetic Skyrmions, studied by spin-polarized STM**
Kirsten von Bergmann, Colloquium on Solid State Physics, Hannover (Germany)

2015-4-15: **Ultradichte magnetische Datenspeicher und energieeffiziente Spin-Logik-Bauelemente auf atomarer Skala: Neueste BeitrÃ¤ge aus der Grundlagenforschung**
R. Wiesendanger, University of Cologne(Colloquium, Cologne (Germany)

2015-4-15: **Long-range magnetic coupling between nanoscale organic-metalhybrids mediated by a nanoskyrmion lattice**
M. Bazarnik, Seminar at Institute of Molecular Physics Polish Academy of Sciences, Poznan (Poland)

2015-3-19: **Gilbert damping from nonperturbative partial summation**
David Vincent Altwein, Elena Y. Vedmedenko, and Roland Wiesendanger, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany), Berlin (Germany)

2015-3-19: **ISTS of Fe adatoms in contact to superconducting Ta**
A. Kamlapure, L. Cornils, L. Zhou, A. A. Khajetoorians, J. Wiebe, and R. Wiesendanger, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-3-18: **Response of the topological surface state to surface disorder in TlBiSe2**
F. Pielmeier, A. Eich, G. Landolt, B. Slomski, J. Berwanger, A. A. Khajetoorians, J. Wiebe, R. Wiesendanger, J. Osterwalder, F. J. Giessibl, and J. H. Dil, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-3-17: **Non-harmonic quantum dynamics of single spin systems**
M. Krizanac, D. Altwein, E. Vedmedenko, and R. Wiesendanger, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-3-17: **The Magnetism of Ni Adatoms adsorbed on the TI Bi2Te2Se**
L. Cornils, J. Honolka, M. Vondráček, M. Schüler, M. Dunst, J. Warmuth, L. Zhou, A. Kamlapure, A. A. Khajetoorians, M. Michiardi, L. Barreto, P. Hofmann, J.-L. Mi, M. Bremholm, B. B. Iversen, C. Piamonteze, H. Ebert, J. Minar, T. Wehling, R. Wiesendanger, and J. Wiebe, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-3-17: **The Meaning of Temperature in Interferometric Detection Schemes**
A. Schwarz, G. Fläschner, K. Ruschmeier, R. Wiesendanger, R. Bakhtiari, and M. Thorwart, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-3-16: **A Magnetic Nano-Skyrmion Lattice observed in a Si-wafer based Multilayer System**
S. Krause, A. Schlenhoff, P. Lindner, J. Friedlein, R. Wiesendanger, M. Weinl, M. Schreck, and M. Albrecht, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-3-16: **Field-dependent Size and Shape of Single Magnetic Skyrmions**
N. Romming, A. Kubetzka, Ch. Hanneken, K. von Bergmann, and R. Wiesendanger, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-3-16: **Tracing the RKKY-Interaction in Pairs of Adatoms via the Peak Splitting of a Kondo Resonance**
J. Wiebe, A. A. Khajetoorians, M. Steinbrecher, M. Bouhassoune, S. Lounis, M. Ternes, J. Wiebe, and R. Wiesendanger, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-3-16: **ISTS of Ho atoms and Ho-Fe atom pairs on Pt(111) in the RKKY-coupling regime**
M. Steinbrecher, A. Sonntag, M. dos Santos Dias, M. Bouhassoune, S. Lounis, J. Wiebe, R. Wiesendanger, A. A. Khajetoorians, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-3-16: **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, 79. Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Berlin (Germany)

2015-3-16: **Bismuth Intercalated Graphene on Iridium Probed by STM and ARPES**
J. Warmuth, M. Michardi, T. Hänke, M. Bianchi, J. Wiebe, R. Wiesendanger, P. Hofmann, and A. A. Khajetoorians, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-3-16: **Tailoring a Spin Spiral by Uniaxial Strain**
P.-J. Hsu, A. Finco, L. Schmidt, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-3-16: **XMCD of 3d adatoms on Bi2Te3 and Bi2Te2Se: experiment and ab initio theory**
M. Vondracek, J. Honolka, C. Piamonteze, J. Warmuth, M. Michiardi, P. Hofmann, A. A. Khajetoorians, J. Wiebe, R. Wiesendanger, T. Wehling, J.Minar, H. Ebert, J.-L. Mi, B. B. Iversen, and M. Dunst, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-1-29: **Manipulation of magnetic skyrmions with spin-polarized STM**
Kirsten von Bergmann, Colloquium on Solid State Physics, TUM, Munich (Germany)

2014-11-14: **Informations- und Kommunikationstechnik als Basis unserer Wissensgesellschaft: Was bringt die Zukunft?**
R. Wiesendanger, Veranstaltung der Akademie der Wissenschaften in Hamburg, Hamburg (Germany)

2014-11-11: **Informations- und Kommunikationstechnik als Basis unserer Wissensgesellschaft: Was bringt die Zukunft?**
R. Wiesendanger, Veranstaltung der Universitätsgesellschaft Hamburg, Hamburg (Germany)

2014-9-18: **Introduction to Spin-Resolved Scanning Tunneling Spectroscopy**
J. Wiebe, Sandbjerg Meeting, Sandbjerg (Denmark)

2014-9-18: **Investigating the magnetism of single Fe atoms affected by Hydrogenation**
M. Steinbrecher, A. A. Khajetoorians, M. Valentyuk, T. Schlenk, A. Lichtenstein, T. O. Wehling, M. Bouhassoune, S. Lounis, J. Wiebe and R. Wiesendanger, SFB 668 Summerschool - Magnetism on a Molecular Scale: Experiment and Theory, Hamburg (Germany)

2014-9-16: **Surface of Bi2Se3-class materials probed bei Co adatoms electrical states: difference between topological and non-topological insulators**
M. Dobrzanski, M. Wasnoiowska, M. Sikora, T. Elbo, M. Soarez, M. Rams, I. Miotkowski, R. Wiesendanger, Kakol, and A. Kozlowski, E-MRS 2014, Warsaw (Poland)

2014-9-3: **Writing and deleting single magnetic skyrmions**
N. Romming, Ch. Hanneken, M. Menzel, J.E. Bickel, B. Wolter, K. von Bergmann, A. Kubetzka, and R. Wiesendanger, ALS-CXRO Wednesday seminar, Berkeley, Berkeley (USA)

2014-8-8: **The Meaning of Temperature in Interferometric Detection Schemes**
A. Schwarz, K. Ruschmeier, G. Fläschner, and R. Wiesendanger, 17th International Conference on non-contact Atomic Force Microscopy, Tsukuba (Japan)

2014-7-30: **Tuning Magnetic Anisotropy and Kondo Screening in a Hund's Impurity by Controlled Hydrogenation**
A. A. Khajetoorians, M. Steinbrecher, M. Valentyuk, T. Schlenk, A. Lichtenstein, T. O. Wehling, J. Wiebe and R. Wiesendanger,, International Workshop on Nanoscale Spectroscopy and Nanotechnology 8, Chicago, Illinois (USA)

2014-7-24: **Electric-Field-Induced Magnetic Anisotropy in a NanomagnetInvestigated on the Atomic Scale**
S. Krause, A. Sonntag, J. Hermenau, A. Schlenhoff, J. Friedlein, and R. Wiesendanger, International Conference on Nanoscience and Technology, Vail, Colorado (USA)

2014-7-24: **Tuning Competition Between Magnetic Anisotropy and Kondo Screening inIndividual Adatoms by Controlled Hydrogenation**
J. Wiebe, A. A. Khajetoorians, M. Steinbrecher, T. Schlenk, M. Valentyuk, A. Lichtenstein, and R. Wiesendanger, International Conference on Nanoscience and Technology, Keystone, Vail (CO) (USA)

2014-7-24: **Electric-Field-Induced Magnetic Anisotropy in a Nanomagnet Investigated on the Atomic Scale**
S. Krause, A. Sonntag, J. Hermenau, A. Schlenhoff, J. Friedlein, and R. Wiesendanger , International Conference on Nanoscience and Technology, Vail, Colorado (USA)

2014-7-23: **Detecting the Dipole Moment of a Molecule with Atomic Force Microscopy**
A. Schwarz, J. Grenz, A. Köhler, and R. Wiesendanger, International Conference on Nanoscience and Technology, Vail (CO) (USA)

2014-7-23: **Writing and deleting single magnetic skyrmions**
C. Hanneken, N. Romming, M. Menzel, J. E. Bickel, B. Wolter, K. von Bergmann, A. Kubetzka, and R. Wiesendanger, ICN+T 2014, Vail (CO) (USA)

2014-7-20: **Tracing the RKKY-interaction in pairs of adatoms via the peak splitting of a Kondo resonance**
A. A. Khajetoorians, M. Steinbrecher, M. Bouhassoune, S. Lounis, M. Ternes, J. Wiebe and R. Wiesendanger, International Conference on Nanoscience and Technology , Vail, Colorado (USA)

2014-7-17: **Electric-Field-Induced Magnetic Anisotropy in a Nanomagnet Investigated on the Atomic Scale**
S. Krause, A. Sonntag, A. Schlenhoff, J. Hermenau, J. Friedlein, and R. Wiesendanger, SP-STM-5, Huron, Ohio (USA)

2014-7-16: **Temperature-driven Phase Transition of Fe/Ir(111) Nanoskyrmions**
S. Krause, A. Sonntag, J. Hermenau and R. Wiesendanger, 5th International Workshop on Spin-Polarized Scanning Tunneling Microscopy (SPSTM-5), Ohio (USA)

2014-7-8: **Electric-Field-Induced Magnetic Anisotropy in a Nanomagnet Investigated on the Atomic Scale**
J. P. Hermenau, A. Sonntag, A. Schlenhoff, J. Friedlein, S. Krause, and R. Wiesendanger, 20th International Conference on Magnetism, Barcelona (Spain)

2014-5-9: **Probing the magnetic nature of a single atom**
A. A. Khajetoorians, PGI -Kolloquium, Jülich (Germany)

2014-4-14: **Magnetic Switching of Skyrmions**
E. Y. Vedmedenko, J. Hagemeister, and R. Wiesendanger, Skymag 2014, Paris (France)

2014-4-9: **Probing the magnetic nature of a single atom**
A. A. Khajetoorians, Universität Innsbruck, Innsbruck (Germany)

2014-4-4: **Experimental characterization and simulation of quasi-particle-interference in the Bi-bilayer topological insulator**
M. Michiardi, A. Eich, G. Bihlmayer, A. A. Khajetoorians, J. Wiebe, J. Mi, B. B. Iversen, Ph. Hofmann and R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, , Dresden (Germany)

2014-4-4: **Electric-field induced magnetic anisotropy on the atomic scale**
A. Sonntag, J. Hermenau, A. Schlenhoff, J. Friedlein, S. Krause, and R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-4-4: **Electron-phonon coupling of hot and low-energy electrons studied with SP-STM**
A. Schlenhoff, S. Krause, and R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-4-4: **Enhanced atomic-scale spin contrast due to spin friction**
S. Ouazi, A. Kubetzka, K. von Bergamnn, and R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-4-3: **Temperature-driven phase transition of Fe/Ir(111) nanoskyrmions**
S. Krause, A. Sonntag, J. Hermenau, and R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-4-3: **Creation and annihilation of skyrmions in ultrathin magneticfilms**
J. Hagemeister, R. Wieser, E. Vedmedenko, and R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-4-3: **A 4K-UHV-Cryostat-System for Magnetic Exchange Force Microscopy with a 2-Axes-Vector-Field Magnet**
L. Cornils, R. Schmidt, A. Schwarz, and R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-4-2: **Pump-probe-experiments on individual atomic-scale superparamagnets**
J. Hermenau, A. Sonntag, J. Friedlein, S. Krause, and R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-4-2: **Tracing the RKKY-interaction in pairs of adatoms via the peak splitting of a Kondo resonance**
A. A. Khajetoorians, M. Steinbrecher, M. Bouhassoune, S. Lounis, M. Ternes, J. Wiebe, R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-4-1: **Addressing the metal centers in multi-spin-center macromolecule on Au(111)**
M. Bazarnik, B. Bugenhagen, A. Frank, J. Brede, M.H. Prosenc, and R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-3-31: **Strong out-of-Plane Magnetic Anisotropy of Fe Adatoms on Bi2Te3**
T. Eelbo, M. Wasniowska, M. Sikora, M. Dobrzanski, A. Kozłowski, A. Pulkin, G. Autes, I. Miotkowski, O. V. Yazyev, and R. Wiesendanger, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-3-7: **Superconductivity of lanthanum revisited**
P. Löptien, L. Zhou, J. Wiebe, A. A. Khajetoorians, and R. Wiesendanger, APS March Meeting 2014, Denver (USA)

2014-3-4: **Experimental characterization and simulation of quasi-particle interference on Bi/Bi2Se3**
A. Eich, M. Michiardi, G. Bihlmayer, A. A. Khajetoorians, J. Wiebe J.L. Mi, B. B. Iversen, Ph. Hofmann and R. Wiesendanger, 2014 APS March Meeting, Denver (Colorado (2014))

2014-2-17: **Skyrmions in nanostruktures towards technological applications**
N. Romming, A. Kubetzka, Ch. Hannecken, K. von Bergmann, and R. Wiesendanger, Special Seminar of. J. Sampaio, Kiel (Germany)

2014-2-3: **Tailoring the magnetic nature of single atoms on surfaces**
A. A. Khajetoorians, KIT Seminar , Karlsruhe (Germany)

2014-1-9: **Probing the magnetic nature of a single atom**
A. A. Khajetoorians, Universität Münster, Münster (Germany)

2013-12-6: **Imaging and switching individual nanomagnets with spin-polarized scanning field emission microscopy**
A. Schlenhoff, Seminar of Prof. M. Donath and Dr. D. Wegner, University of Münster, Münster (Germany)

2013-12-5: **Spin-resolved studies of individual molecules on surfaces: Towards single-molecule spintronics**
R. Wiesendanger, University of Hannover, Germany (GDCh-Weihnachts-Kolloquium), Hannover (Germany)

2013-12-3: **Spin-resolved and inelastic scanning tunneling spectroscopy of nanostructures built atom by atom**
J. Wiebe, Seminar des GrK 1621, Dresden (Germany)

2013-11-18: **Complex Spin States in Nanostructures**
R. Wiesendanger, MPI für Physik komplexer Systeme (Colloquium), Dresden (Germany)

2013-11-12: **Writing and deleting single magnetic skyrmions**
Niklas Romming, C. Hanneken, M. Menzel, J.E. Bickel, B. Wolter, K. von Bergmann, A. Kubetzka, and R. Wiesendanger, 544. WE-Heraeus-Seminar: Interactions with the Nanoworld, Bad Honnef (Germany)

2013-11-8: **Electric-field induced manipulation of the magnetic anisotropy using SP-STM**
S. Krause, A. Sonntag, A. Schlenhoff, J. Hermenau, J. Friedlein and R. Wiesendanger, 58th Annual Conference On Magnetism And Magnetic Materials, Denver, CO (USA)

2013-11-8: **Individual atomic-scale magnets interacting with spin-polarized field-emitted electrons**
A. Schlenhoff, S. Krause, A. Sonntag, and R. Wiesendanger, 58th Annual Conference On Magnetism And Magnetic Materials, Denver (CO (USA))

2013-11-1:
A.A. Khajetoorians, University of Tokyo Visit, Tokyo (Japan)

2013-9-13: **Microscopic origin of Joule heating studied by SP-STM**
A. Schlenhoff, S. Krause, and R. Wiesendanger, International Conference on Nanoscience and Technology, Paris (France)

2013-9-12: **Tuning non-collinear magnetic states with non-magnetic adlayers**
N. Romming, C. Hanneken, M. Menzel, J.E. Bickel,B. Wolter, K. von Bergmann, A. Kubetzka, and R. Wiesendanger, International Conference on Nanoscience and Technology, Paris (France)

2013-9-11: **A high resolution AFM operated at about 300 mK in up to 10 T under UHV-conditions**
H. von Allwörden, K. Ruschmeier, A. Schwarz, and R. Wiesendanger, International Conference on Nanoscience and Technology, Paris (France)

2013-9-11: **Magnetism of Fe on Pt(111) Revisited by Inelastic Scanning Tunneling Spectroscopy**
J. Wiebe, A. A. Khajetoorians, T. Schlenk, M. Steinbrecher, B. Schweflinghaus, M. dos Santos Dias, M. Bouhassoune, S. Lounis, and R. Wiesendanger, International Conference on Nanoscience and Technology ICN+T, Paris (France)

2013-9-9: **Charge screening at the surface of a topological insulator: Rb adatoms on Bi2Se3(111)**
L. Zhou, International Conference on Nanoscience and Technology, Paris (France)

2013-9-9: **Spin-resolved measurements of single molecular magnets on graphene**
M. Bazarnik, J. Brede, R. Decker, J. Schwobel, and R. Wiesedanger, XLII Meeting of Polish Physicists, Poznan (Poland)

2013-8-8: **Contrast Formation on Adsorbed CO Molecules Imaged with Metallic Tips**
Alexander Schwarz, Arne Köhler, Josef Grenz, Roland Wiesendanger, NCAFM 2013, Maryland University (USA)

2013-6-19: **Spin LEGOs - dynamic characterization of bottom-up fabricated atomic magnets**
A.A. Khajetoorians, MPI Stuttgart Visit, Stuttgart (Germanz)

2013-6-14: **Spin spirals and magnetic skyrmions studied with spin‐polarized STM**
K. von Bergmann, Seminar of Prof. A. Rosch, University of Köln, Germany,, Köln (Germany)

2013-6-14: **Nanomagnets interacting with spin-polarized electrons from Stark-shifted image-potential states**
A. Schlenhoff, Seminar of Prof. M. Weinelt, Free University of Berlin , Berlin (Germany)

2013-5-2: **Magnetization dynamics derived from excitations of single magnetic atoms on surfaces**
A.A. Khajetoorians, IPCMS Strasbourg visit, Strasbourg (France)

2013-4-24: **Magnetization dynamics derived from excitations of single magnetic atoms on surfaces**
A.A. Khajetoorians, TU Delft Seminar, Delft (Netherlands)

2013-3-14: **Co-Salen on NaCl(001) and NiO(001): Substrate influence on adsorption geometry and growth**
J. Grenz, A. Schwarz, D. Gao, M. Watkins, A. Shluger, and R. Wiesendanger, 77th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2013-3-13: **Charge screening at the surface of a topological insulator: Rb on Bi2Se3**
P. Löptien, L. Zhou, J. Wiebe, A. A. Khajetoorians, and R. Wiesendanger, 77th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2013-3-13: **Magnetism of graphene on Ir(111) intercalation systems**
R. Decker, J. Brede, N. Atodiresei, V. Caciuc, S. Blügel, and R. Wiesendanger, 77th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2013-3-13: **Controllable magnetic doping of the surface state of a topological insulator**
A. Eich, T. Schlenk, M. Bianchi, M. Koleini, O. Pietzsch, T.O. Wehling, T. Frauenheim, A. Balatsky, J.-L. Mi, B.B. Iversen, J. Wiebe, A.A. Khajetoorians, Ph. Hofmann and R. Wiesendanger , 77th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2013-3-13: **Exploring Magnetism in the Nanoworld**
R. Wiesendanger, Distinguished iNANO Lecture, Åarhus (Denmark)

2013-3-12: **Magnetism of Fe on Pt(111) Revisited by Inelastic Scanning Tunneling Spectroscopy**
J. Wiebe, T. Schlenk, A. A. Khajetoorians, and R. Wiesendanger, 77th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2013-3-12: **Detecting and Interpreting Spin-Dependent Dissipation Observed with Magnetic Exchange Force Microscopy and Spectroscopy**
A. Schwarz, R. Schmidt, E. Y. Vedmedenko, and R. Wiesendanger, 77th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2013-3-4: **Magnetization dynamics in classical and quantum Heisenberg spin systems**
Robert Wieser, Computational Engineering and Design (CED) Group seminar, Southampton (Great Britain)

2013-3-1: **Imaging and Manipulating Single and Interacting Spins on Surfaces: Towards Atomic-Scale Spintronic Devices**
R. Wiesendanger, CNR NANO Seminar, Modena (Italy)

2013-1-8: **Nanotechnologie in Forschung und Alltag**
B. Ehlers, Ringvorlesung "Physik im Alltag", Hamburg (Germany)

2012-12-13: **Nanotechnology: Past, Present, and Future**
R. Wiesendanger, UCL Graduate School & DAAD Masterclass Colloquium, London (U. K.)

2012-11-24: **Interactions between atomic moments and bath electrons: experimental insight at the atomic level**
A.A. Khajetoorians, Department of Physics Seminar, Göttingen (Germany)

2012-11-16: **Atomically Tailored Nanomagnets and their Use for Atomic-Level Spintronics**
R. Wiesendanger, University of Bonn, Colloquium, Bonn (Germany)

2012-11-1: **Spin Friction Observed on the Atomic Scale**
R. Wiesendanger, 59th AVS Symposium, Tampa (USA)

2012-9-12: **Coulomb-repulsion driven surface doping of Bi2Se3 with Rb**
L. Zhou, P. Löptien, A. A. Khajetoorians, J. Wiebe, M. Bianchi, R. Hatch, Z. S. Li, Ph. Hofmann, F. Song, J. Mi, B. B. Iversen, M. Z. Abd El-Fattah, J. W. Wells, and R. Wiesendanger, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

2012-9-12: **In-Plane Magnetic Anisotropy of Fe Atoms on Bi2Se3(111)**
T. Schlenk, J. Honolka, A. A. Khajetoorians, V. Sessi, T. O. Wehling, S. Stepanow, J.-L. Mi, B. B. Iversen, J. Wiebe, N. Brookes, A. I. Lichtenstein, Ph. Hofmann, K. Kern, and R. Wiesendanger,, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

2012-9-12: **Co atoms on Bi2Se3: electronic and magnetic properties**
T. Eelbo, M. Wasniowska, M. Sikora, G. Bihlmayer, M. Gyamfi, M. Dobrzanski, A. Kozlowski, Z. Kakol, I. Miotkowski, R. Wiesendanger, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

2012-9-11: **Probing the magnetization dynamics of artificially constructed quantum magnets**
A. A. Khajetoorians, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

2012-9-11: **Spin-transfer torque and Joule heating generated by spin-polarized field-emitted electrons**
A. Schlenhoff, S. Krause, A. Sonntag, and R. Wiesendanger, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

2012-9-10: **Atomic-scale view of an intercalated ferromagnet-graphene heterostructure**
R. Decker, J. Brede, N. Atodiresei, V. Caciuc, S. Blügel, and R. Wiesendanger, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

2012-9-10: **Molecular functional units on Si(100)**
M. Bazarnik, A. Wykrota, L. Jurczyszyn, M.W. Radny, K. Morgenstern, R. Czajka, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

2012-9-5: **Spin-transfer torque and Joule heating generated by spin-polarized field-emitted electrons**
A. Schlenhoff, S. Krause, A. Sonntag, and R. Wiesendanger, European Conference on Surface Science (ECOSS-29), Edinburgh (UK)

2012-8-3: **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, N. Brookes, A. I. Lichtenstein, Ph. Hofmann, K. Kern, and R. Wiesendanger, 31st International Conference on the Physics of Semiconductors (ICPS 2012), Zurich (Switzerland)

2012-7-26: **Atom-by-atom engineering and atomic magnetometry of tailored nanomagnets with SP-STM**
A.A. Khajetoorians, J. Wiebe, S. Lounis, B. Chilian, S. Bluegel, R. Wiesenganer, ICN+T, Paris (France)

2012-7-25: **Spin-transfer torque and Joule heating of field-emitted electrons**
A. Schlenhoff, S. Krause, A. Sonntag, and R. Wiesendanger, International Conference on Nanoscience and Technology, Paris (France)

2012-7-25: **Joule heating and spin-transfer torque investigated on the atomic scale using SP-STM**
S. Krause, G. Herzog, A. Schlenhoff, A. Sonntag, and R. Wiesendanger, International Conference on Nanoscience and Technology (ICN+T), Paris (France)

2012-7-25: **Structure and magnetism of cobalt intercalated graphene on Ir(111) studied by spin-polarized STM**
R. Decker, J. Brede, N. Atodiresei, V. Caciuc, S. Blügel, and R. Wiesendanger, International Conference on Nanoscience + Technology 2012, Paris (France)

2012-7-25: **Tunneling anisotropic magnetoresistance on the atomic scale**
Kirsten von Bergmann,Matthias Menzel, David Serrate, Yasuo Yoshida, Andre Kubetzka, Roland Wiesendanger,and Stefan Heinze, International Conference on Nanoscience and Technology (ICN+T 2012), Paris (France)

2012-7-24: **Probing magnetization dynamics of single atom systems with SP-STM**
A.A. Khajetoorians, J. Wiebe, S. Krause, T. Schlenk, B. Baxevanis, Chr. Huebner, D. Pfannkuche, T.O. Wehling, S. Lounis, A. Lichtenstein, R. Wiesenandger, ICN+T, Paris (France)

2012-7-24: **Electronic and Magnetic Properties of Co Adatoms on the Bi2Se3 Surface**
T. Eelbo, M. Sikora, M. Wasniowska, M. Dobrzanski, A. Kozlowski, M. Gyamfi, G. Bihlmayer, I. Miotkowski, and R. Wiesendanger, International Conference on Nanoscience and Technology, Paris (France)

2012-7-12: **Spin-transfer torque and Joule heating of field-emitted electrons**
A. Schlenhoff, A. Sonntag, S. Krause, and R. Wiesendanger, International Conference on Magnetism (ICM), Busan (Republic of Korea)

2012-7-12: **Joule heating and spin-transfer torque investigated on the atomic scale using SP-STM**
S. Krause, G. Herzog, A. Schlenhoff, A. Sonntag, and R. Wiesendanger, International Conference on Magnetism (ICM), Busan (Republic of Korea)

2012-7-11: **Probing the Distance Dependence of the Magnetic Exchange Interaction with Atomic Resolution**
A. Schwarz, R. Schmidt, and R. Wiesendanger, ICM 2012, Busan (South Korea)

2012-7-2: **Co-Salen on NaCl(001) and NiO(001): Substrate influence on adsorptiongeometry and growth**
J. Grenz, A. Schwarz, D. Gao, M. Watkins, A. Shluger, and R. Wiesendanger, 15th International Conference on Noncontact Atomic Force Microscopy (NCAFM 2012), Ceský Krumlov (Czech republic)

2012-6-19: **Atom-by-atom engineering and magnetometry of tailored nanomagnets**
A.A. Khajetoorians, Seminar, Regensburg (Germany)

2012-6-12: **Individual atomic-scale magnets interacting with spin-polarized field-emitted electrons**
A. Schlenhoff, SFB616 "Energiedissipation an Oberflaechen" Seminar, Universität Duisburg-Essen, Duisburg (Germany)

2012-6-11: **STM studies on the ternary topoligical insulator PbBi_4Te_7**
A.A. Khajetoorians, Ultrafast Dynamics at the Atomic Scale, Hamburg (Germany)

2012-6-4: **Thermal and quantum fluctuations in spin spiral structures induced by Dzyaloshinsky-Moriya interaction**
R. Wieser, Theory group seminar Prof. S. Heinze, Kiel (Germany)

2012-6-4: **Visualizing electron scattering on graphene around Co adatoms by means of STM**
T. Eelbo, M. Gyamfi, S. Forti, U. Starke, M. Wasniowska, and R. Wiesendanger, Graphene Week 2012, Delft (Netherlands)

2012-3-29: **Theoretical study of dynamical switching of a single spin by exchange forces**
R. Wieser, V. Caciuc, C. Lazo, H. Hölscher, E. Y. Vedmedenko , R. Wiesendanger, and S. Heinze, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-29: **Anomalously large g-factor of single atoms adsorbed on a metal substrate**
J. Wiebe, A. A. Khajetoorians, S. Lounis, A. T. Costa, B. Chilian, D. L. Mills, and R. Wiesendanger, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-29: **Spin-transfer torque and Joule heating of field-emitted electrons**
A. Schlenhoff, A. Sonntag, S. Krause, and R. Wiesendanger, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-29: **First-principles investigation of g-shifts and damping of dynamical magnetic excitations in adatoms on surfaces**
S. Lounis, A. T. Costa, B. Chilian, A. A. Khajetoorians, J. Wiebe, R. Wiesendanger, and D. L. Mills, 76th Spring Conference Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-29: **Spin-transfer torque switching efficiency in SP-STM experiments**
A. Sonntag, S. Krause, G. Herzog,A. Schlenhoff, and R. Wiesendanger, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-28: **Electronic properties and magnetic anisotropy of individual Co adatoms adsorbed on topological insulator surfaces**
T. Eelbo, M. Sikora, M. Waśniowska, M. Dobrzański,M. Gyamfi, G. Bihlmayer, I. Miotkowski, A. Kozlowski,and R. Wiesendanger, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-28: **Spin-polarized STM of Co-intercalated graphene on Ir(111)**
R. Decker, J. Brede, N. Atodiresei, V. Caciuc, S. Blügel, and R. Wiesendanger, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-28: **Observation and quantitative evaluation of superparamagneticbehavior utilizing magnetic exchange force microscopyand spectroscopy**
A. Schwarz, R. Schmidt, and R. Wiesendanger, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-27: **Electronic properties of Ni adatoms on graphene**
M. Gyamfi, T. Eelbo, M. Waśniowska, T. O. Wehling, S. Forti, U. Starke, A. I. Lichtenstein, M. I. Katsnelson, and R. Wiesendanger, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-27: **Visualizing quantum interference nearby individual magneticimpurities on graphene**
T. Eelbo, M. Gyamfi, S.Forti, U. Starke, ∙M. Waśniowska, and R. Wiesendanger, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-27: **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, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-27: **Tunneling anisotropic magnetoresistance on the atomicscale**
Kirsten von Bergmann, Matthias Menzel, David Serrate, Yasuo Yoshida, AndrÃ© Kubetzka, RolandWiesendanger, and Stefan Heinze, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-27: **The Meaning of Temperature in Interferometric DetectionSchemes**
A. Schwarz, G. Fläschner, K. Ruschmeier, R. Wiesendanger1, R. Bakhtiari, andM. Thorwart, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-26: **In-plane anisotropy of Fe atoms on Bi2Se3(111)**
J. Honolka, A. A. Khajetoorians, V. Sessi, T. O. Wehling, S. Stepanow, J. Mi, B. B. Iversen, ∙T. Schlenk, J. Wiebe, N. Brookes, A. I. Lichtenstein, P. Hofmann, K. Kern, and R. Wiesendanger, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-26: **Density driven solidification of a 2D molecule gas on a bulk insulator: Co-Salen on NiO(001)**
J. Grenz, A. Schwarz, and R. Wiesendanger, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-7: **Observation and quantitative evaluation of superparamagnetic behavior utilizing magnetic exchange force microscopy and spectroscopy**
Alexander Schwarz, Rene Schmidt, and Roland Wiesendanger, NCAFM 2012, Cesky Krumlov (Czech Republic)

2012-3-2: **Atom-by-atom engineering and atomic magnetometry of tailored nanomagnets with SP-STM**
A.A. Khajetoorians, J. Wiebe, S. Lounis, B. Chilian, S. Bluegel, R. Wiesendanger, APS March Meeting 2012, Boston (USA)

2012-3-1: **Anomalously large g-factor of single atoms adsorbed on a metal substrate**
J. Wiebe, A. A. Khajetoorians, B. Chilian, R. Wiesendanger, S. Lounis, A. T. Costa, and D. L. Mills, 2012 APS March Meeting, Boston, Massachusetts (USA)

2012-2-28: **Magnetic Structure and Stability of 1D Co/Fe Wires**
J. Bickel, M. Menzel, K. von Bergmann, A. Kubetzka, and R. Wiesendanger, 2012 APS March Meeting, Boston (USA)

2012-2-0: **Magnetic Molecules on Bulk Insulators**
Alexander Schwarz, SFB 677 Kolloquium CAU, Kiel (Germany)

2011-12-15: **Tunneling-induced magnetization dynamics of a single atomic-scale macrospin**
A.A. Khajetoorians, SFB668 Workshop "Spin Dynamics and Kondo Effects in STM", Hamburg (Germany)

2011-12-13: **Theoretical studies on the complex magnetism of bi-atomic Fe-chains on (5x1)-Ir(001)**
R. Wieser, M. Menzel, Y. Mokrousov, J. Bickel, E. Y. Vedmedenko, S. Blügel, S. Heinze, K. von Bergmann, A. Kubetzka and R. Wiesendanger, Seminars zur Theorie der Kondensierten Materie, Aachen (Germany)

2011-11-17: **Atom-by-atom engineering and magnetometry of tailored nanomagnets**
A. A. Khajetoorians, Seminar, Copenhagen (Denmark)

2011-11-3: **Exploring the Spin in the Nanoworld**
R. Wiesendanger, Zernike-Colloquium, Groningen (The Netherlands)

2011-11-1: **Manipulation of transverse domain walls using a spin-polarized STM**
R. Wieser, T. Stapelfeldt, E. Y. Vedmedenko, and R. Wiesendnager, 56th Annual Conference on Magnetism and Magnetic Materials, Scottsdale (Arizona, USA)

2011-9-19: **Properties of Magnetic Tips for Magnetic Exchange Force Microscopy and Spectroscopy**
R. Schmidt, A. Schwarz, and R. Wiesendanger, NCAFM 2011, Lindau (Germany)

2011-9-2: **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, ECOSS-28, Wroclaw (Poland)

2011-8-31: **Atomic-scale spin spiral observed in individual metallic chains**
M. Menzel, Y. Mokrousov, R. Wieser, K. von Bergmann, E. Vedmedenko, S. Blügel, S. Heinze, A. Kubetzka, and R. Wiesendanger, ECOSS-28, Wroclaw (Poland)

2011-8-30: **Spin-polarized STM of high coercivity Co nanostructures on Ir**
J. Bickel, F. Meier, J. Brede, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, ECOSS 28, Wrocław (Poland)

2011-6-16: **Spin-polarized STM of high coercivity Co nanostructures on Ir**
J. Bickel, Debye-Ornstein Colloquium, Utrecht (Netherlands)

2011-5-12: **Spin-Polarized Scanning Tunneling Microscopy:Studying Magnetism of Nanostructures**
O. Pietzsch, Short Course on Physical Characterization of Nanostructures, Leuven (Belgium)

2011-5-11: **Complex magnetic order: spin-polarized STM and tunneling anisotropic magnetoresistance**
Kirsten von Bergmann, Seminar of Prof. S. Heinze, Kiel (Germany)

2011-5-10: **Spin Excitation and Magnetometry of Artificial Nanostructures Built Atom by Atom**
J. Wiebe, Seminar at the Uppsala University UniMolecular Electronics Center, Uppsala (Sweden)

2011-4-7: **Current and Field driven domain wall motion**
R. Wieser, Group seminar, The Computational Magnetism Group, Prof. R. Chantrell, University of York, York (U.K.)

2011-3-18: **Observation of superparamagnetism in image potential states using SP-STM**
A. Schlenhoff, A. Sonntag, S. Krause, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2011-3-18: **Quantification of spin torque and Joule heating using SPSTM**
S. Krause, G. Herzog, A. Schlenhoff, A. Sonntag, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2011-3-17: **Domain Wall Manipulation With a Magnetic Tip**
T. Stapelfeldt, R. Wieser, E. Y. Vedmedenko, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2011-3-17: **Chiral spin-structure of biatomic Fe chains on Ir(001)**
Y. Mokrousov, M. Menzel, R. Wieser, K. von Bergmann, E. Vedmedenko, A. Kubetzka, R. Wiesendanger, S. Blügel, and S. Heinze, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2011-3-17: **Chiral spin-structure of biatomic Fe chains on Ir(001)**
Y. Mokrousov, M. Menzel, R. Wieser,K. von Bergmann, E. Vedmedenko, A.Kubetzka, R. Wiesendanger, S. Blügel, and S. Heinze, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2011-3-17: **Electronic properties and localization of Fe atoms on bilayergraphene on Ru(0001)**
M. Gyamfi, T. Eelbo, M. Waśniowska, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2011-3-16: **Itinerant Nature of Atom-Magnetization Excitation by Inelastic Scanning Tunneling Spectroscopy**
J. Wiebe, A. A. Khajetoorians, S. Lounis, B. Chilian, A. T. Costa, L. Zhou, D. Mills, S. Schuwalow, F. Lechermann, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2011-3-16: **Realizing Spin Logic Atom by Atom**
A. A. Khajetoorians, B. Chilian, J. Wiebe, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2011-3-16: **Extremely high coercivity of Co Islands on Ir(111) probed by SP-STM**
J. Bickel, F. Meier, J. Brede, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2011-3-16: **Domain Wall Manipulation With a Magnetic Tip**
T. Stapelfeldt, R. Wieser, E. Y. Vedmedenko, and R. Wiesendanger, 75thSpring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2011-3-15: **Determining the Exact Adsorption Configuration of a Chiral Metal-Organic Complex on a Bulk Insulator**
A. Schwarz, K. Lämmle, R. Wiesendanger, T. Trevethan, M. Watkins, and A. Shluger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2011-3-14: **Indirect control of antiferromagnetic domain walls with spin current**
R. Wieser, E. Y. Vedmedenko, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2011-3-14: **SP-STM study of bi-atomic Fe chains on (5×1)-Ir(001)**
M. Menzel, Y. Mokrousov, R. Wieser,K. von Bergmann, E. Vedmedenko, S. Blügel, S. Heinze, A. Kubetzka, and R. Wiesendanger, 75th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2011-1-25: **Manipulation of Magnetic Domain Walls with an STM Tip**
T. Stapelfeldt, R. Wieser, E. Y. Vedmedenko, and R. Wiesendanger, SFB668 Kolloquium, Hamburg (Germany)

2011-1-11: **Nanotechnologie in Wissenschaft und Alltag**
H. Fuchs, Ringvorlesung "Physik im Alltag", Hamburg (Germany)

2010-12-16: **Wie schreibt man die Weltliteratur auf eine Briefmarke? Von tunnelnden Spins und magnetischen Inseln zur neuartigen Festplatte.**
S. Krause, Verständliche Wissenschaft 2010, Helmholtz Zentrum Geesthacht, Geesthacht (Germany)

2010-11-24: **Magnetic Imaging and Excitation of Nanostructures Built from Individual Atoms**
J. Wiebe, Seminar in Solid State Physics, Physik Institut, Universität Zürich, Zürich (Germany)

2010-11-16: **Von der Nanophysik zu atomaren Bauelementen**
R. Wiesendanger, Ilmenau University (Colloquium), Ilmenau (Germany)

2010-11-16: **Magnetic Molecules on Bulk Insulators**
A. Schwarz, Seminar Talk at the Johannes Gutenberg Universität Mainz (AG A. Kühnle), Mainz (Germany)

2010-11-15: **Domain wall motion damped by the emission of spin waves**
R. Wieser, E. Y. Vedmedenko, and R. Wiesendanger, 55th Annual Conference on Magnetism and Magnetic Materials, Atlanta (USA)

2010-10-19:
A.A. Khajetoorians, Workshop on Quantum Spintronics, Maratea (Italy)

2010-10-18: **Atomic Spin Logic Devices**
R. Wiesendanger, Los Alamos National Laboratory (Seminar), Los Alamos (USA)

2010-10-15: **Imaging and Manipulating the Spin Direction of Individual Atoms**
Y. Yoshida, Nanoscience seminar (ISSP, University of Tokyo), Kashiwa (Japan)

2010-10-14: **Heat Assisted Spin Torque Switching of Nanomagnets by SP-STM**
G. Herzog, S. Krause, A. Schlenhoff, and R. Wiesendanger, Graduate-Class 1286 Workshop, Jever (Germany)

2010-10-13: **Spin-sensitive tunneling through individual Terbium-Pc2 Molecules by Spin-polarized STM**
J. Schwöbel, Seminar AG Blügel, FZ Jülich, Jülich (Germany)

2010-10-4: **Multiscale Description of the Domain Wall Motion**
E. Vedmedenko, 5th International Conference Multiscale Materials Modeling MMM2010, Freiburg (Germany)

2010-9-21: **Complex magnetic order on the atomic scale revealed by spin-polarized STM**
K. von Bergmann, General Physics Colloquium, University of Aarhus, Aarhus (Denmark)

2010-9-17: **Spin-Resolved Scanning Tunneling Spectroscopy (SPSTS): from thin ferromagnetic films to atomic scale devices**
J. Wiebe, 4th Int. Summer School "Physics of Functional Micro- and Nanostructures", Hamburg (Germany)

2010-9-16: **Scanning Force Microscopy and Spectroscopy**
R. Wiesendanger, 4th Int. Summer School "Physics of Functional Micro- and Nanostructures", Hamburg (Germany)

2010-9-15: **Scanning Tunneling Microscopy (STM) and Spectroscopy (STS) on III-V semiconductors**
J. Wiebe, 4th Int. Summer School "Physics of Functional Micro- and Nanostructures", Hamburg (Germany)

2010-9-2: **Single atom spin detection of quantum magnets embedded in asemiconductor**
A.A. Khajetoorians, Condensed Matter Seminar (Univ. Ca, Berkeley), Berkeley, CA (USA)

2010-8-31: **Intrinsic low temperature insulating state of Si(111)-7x7**
S. Modesti, H. Gutzmann, J. Wiebe, R. Wiesendanger, G. Profeta, and E. Tosatti, 27th European Conference on Surface Science (ECOSS 27), Groningen (Netherlands)

2010-8-31: **Searching for spin correlations in the low temperature insulating state of the Sn/Si(111)-√3x√3 R30°**
S. Modesti, H. Gutzmann, J. Wiebe, R. Wiesendanger, G. Profeta, and E. Tosatti, 27th European Conference on Surface Science (ECOSS 27), Groningen (Netherlands)

2010-8-30: **Imaging of wave functions in high Landau levels**
K. Hashimoto, International Symposium "Advanced functionality with three-dimensionally controlled quantum structures", Potsdam (germany)

2010-8-26: **Atomic-scale magnetic skyrmion lattice observed in real space**
M. Menzel, S. Heinze, K. von Bergmann, G. Bihlmayer, A. Kubetzka, S. Blügel, and R. Wiesendanger, International Conference on Nanoscience and Technology, Beijing (China)

2010-8-26: **Magnetic Exchange Force Spectroscopy with Atomic Resolution**
A. Schwarz, R. Schmidt, U. Kaiser, and R. Wiesendanger, International Conference on Nanoscience and Technology, Beijing (China)

2010-8-25: **Spin resolved detection of tunneling electrons scattered off a quantum magnet in a semiconductor**
B. Chilian, A. A. Khajetoorians, J. Wiebe, S. Schuwalow, F. Lechermann, and R. Wiesendanger, International Conference on Nanoscience and Technology, Beijing (China)

2010-8-25: **Spin-dependent tunneling through a single molecule with intramolecular resolution**
J. Brede, N. Atodiresei, S. Kuck, P. Lazic, V. Caciuc, S. Blügel, G. Hoffmann and R. Wiesendanger, International Conference on Nanoscience and Technology, Beijing (China)

2010-8-24: **Critical current for switching the magnetization of quasistable nano-islands using SP-STM**
S. Krause, G. Herzog, A. Schlenhoff, and R. Wiesendanger, International Conference on Nanoscience and Technology, Beijing (China)

2010-8-24: **Cr bulk tips for SP-STM with both in-plane and out-of-plane sensitivity**
A. Schlenhoff, S. Krause, G. Herzog, and R. Wiesendanger, International Conference on Nanoscience and Technology, Beijing (China)

2010-8-24: **Spin Torque Switching of Nanomagnets by SP-STM**
G. Herzog, S. Krause, A. Schlenhoff, and R. Wiesendanger, International Conference on Nanoscience and Technology, Beijing (China)

2010-8-23: **Interplay between spin polarization and RKKY interaction on the(111) surface of platinum near cobalt nanostripes**
F. Meier, L. Zhou, J. Wiebe, and R. Wiesendanger, International Conference on Nanoscience and Technology, Beijing (China)

2010-8-20: **Spin Torque Switching of Nanomagnets by SP-STM**
G. Herzog, S. Krause, A. Schlenhoff, and R. Wiesendanger, SP-STM3, Seoul (Republic of Korea)

2010-8-19: **Critical current for switching the magnetization of quasistable nano-islands using SP-STM**
S. Krause, G. Herzog, A. Schlenhoff, and R. Wiesendanger, SP-STM3, Seoul (Republic of Korea)

2010-8-19: **Bulk Cr tips with full spatial magnetic sensitivity for spin-polarized scanning tunneling microscopy**
A. Schlenhoff, S. Krause, G. Herzog, and R. Wiesendanger, SP-STM3, Seoul (Republic of Korea)

2010-8-18: **Atomic-scale magnetic skyrmion lattice observed in real space**
M. Menzel, S. Heinze, K. von Bergmann, G. Bihlmayer, A. Kubetzka, S. Blügel, and R. Wiesendanger, SP-STM3, Seoul (Republic of Korea)

2010-8-3: **Magnetic Exchange Force Spectroscopy with Atomic Resolution**
A. Schwarz, R. Schmidt, C. Lazo, U. Kaiser, S. Heinze, and R. Wiesendanger, 13th International Conference on Non-Contact Atomic Force Microscopy, Kanazawa (Japan)

2010-8-2: **Determination of the Adsorption Geometry of Co-Salen on Bulk NaCl(001) with Atomic Resolution**
K. Lämmle, A. Schwarz, and R. Wiesendanger, 13th International Conference on Non-Contact Atomic Force Microscopy, Kanazawa (Japan)

2010-8-1: **Probing the spin-state of individual quantum magnets embedded in a semiconductor**
A.A. Khajetoorians, B. Chilian, J. Wiebe, S. Schuwalow, F. Lechermann, and R. Wiesendanger, PASPS-VI, Tokyo (Japan)

2010-8-0: **Spin-direction and orbital symmetry of magnetic adatoms on a magnetic surface investigated by SP-STM**
A. Kubetzka, D. Serrate, P. Ferriani, Y. Yoshida, S.-W. Hla, M. Menzel, K. von Bergmann, S. Heinze, and R. Wiesendanger, International Conference on Nanoscience and Technology, Beijing (China)

2010-7-25: **Probing the spin-state of individual quantum magnets embedded in a semiconductor**
A.A. Khajetoorians, B. Chilian, J. Wiebe, S. Schuwalow, F. Lechermann, and R. Wiesendanger, ICPS-30, Seoul (Korea)

2010-7-14: **Complex magnetism in bi-atomic Fe chains on (5×1)-reconstructed Ir(001)**
M. Menzel, Y. Mokrousov, R. Wieser, A. Kubetzka, S. Heinze, E. Vedmedenko, K. von Bergmann, and R. Wiesendanger, Theorie I Seminar, Institut für Festkörperforschung Forschungszentrum Jülich, Jülich (Germany)

2010-7-9: **Single atom spin detection of quantum magnets embedded in a semiconductor**
A. A. Khajetoorians, CIN2 Seminar (Campus UAB, Barcelona), Barcelona (Spain)

2010-6-30: **Spinabhängiges Tunneln durch Einzelatome und Moleküle**
R. Wiesendanger, University of Duisburg (Colloquium), Duisburg (Germany)

2010-6-15: **Magnetic Sensitive Force Microscopy: Mapping Magnetic Domains, Flux Line Lattices and Atomic-Scale Spin Structures**
A. Schwarz, Physikalisches Kolloquium der Universität Regensburg, Regensburg (Germany)

2010-6-11: **Magnetismus im Nanokosmos**
R. Wiesendanger, Nanodays of the University of Hamburg, Hamburg (Germany)

2010-6-10: **Magnetic interactions on the (111) surface of platinum probed by SP-STM**
F. Meier, Seminar FOR1162, Würzburg University, Würzburg (Germany)

2010-5-31: **Scanning Tunneling Spectroscopy of a Surface Two-Dimensional Electron System in High Magnetic Field**
K. Hashimoto, C. Sohrmann, J. Wiebe, T. Inaoka, F. Meier, Y. Hirayama, R. A. Römer, R. Wiesendanger, and M. Morgenstern, The 37th International Symposium on Compound Semiconductors, Takamatsu (Japan)

2010-5-27: **Surface Supported Formation of Magnetic Molecular Chains**
A. Dilullo, K. Clark, S.-H. Chang, G. Hoffmann, R. Wiesendanger, and S.-W. Hla, TSN 2010, Lecce (Italy)

2010-5-25: **Resolving the interface magnetism of a molecule based spin filter**
J. Brede, N. Atodiresei, S. Kuck, P. Lasic, S. Blügel, G. Hoffmann, and R. Wiesendanger, TSN2010, Lecce (Italy)

2010-5-20: **Molecules on surfaces: A challenging hybrid system**
R. Wiesendanger, University of Hamburg (Bioinformatics Seminar), Hamburg (Germany)

2010-5-18: **Thermodynamic behavior of domain wall configurations, nanoparticles and spin waves.**
R. Wieser, Hitachi GST Seminar, San Jose (USA)

2010-5-10: **Spinabbildung, Spinmanipulation und Magnetometrie auf atomarer Skala**
R. Wiesendanger, University of Marburg (Colloquium), Marburg (Germany)

2010-5-9: **Crossover temperatures in finite magnets**
E. Vedmedenko, 103rd Statistical Mechanics Conference, Rutgers (USA)

2010-5-5: **Faszinierende magnetische Phänomene im Nanokosmos**
R. Wiesendanger, TU Chemnitz (Colloquium), Chemnitz (Germany)

2010-4-12: **Mapping Single-Atom Magnetism by Spin-Polarized STM**
L. Zhou, Seminar talk at Magnetic Ultrathin Film Group, Physics Department, Fudan University, Shanghai (China)

2010-4-9: **Mapping Single-Atom Magnetism by Spin-Polarized STM**
L. Zhou, Seminar talk at State Key Laboratory of Functional Materials for Informatics, Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences, Shanghai (China)

2010-3-25: **Critical Current for Switching the Magnetization of Quasistable Nano-Islands Using SP-STM**
S. Krause, G. Herzog, A. Emmenegger, R. Wiesendanger, 74rd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2010-3-25: **Inversion of Spin Polarization above Magnetic Adatoms**
L. Zhou, F. Meier, J. Wiebe, and R. Wiesendanger, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2010-3-25: **Anisotropies of permalloy elements in multidomain states**
S. Pütter, M. R. R. Azad, N.Mikuszeit, M. Bubek, G. Hoffmann, and H. P. Oepen, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2010-3-25: **Resolving the interface magnetism of a molecule-based spin filter**
J.Brede, N. Atodiresei, S. Kuck, P. Lasic, S. Blügel, G. Hoffmann, R. Wiesendanger, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2010-3-25: **Determining the Magnetism of Single Atoms on a Semiconductor Surface**
B. Chilian, A. Khajetoorians, J. Wiebe, S. Schuwalow, F. Lechermann, and R. Wiesendanger, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2010-3-25: **Two-dimensional non-collinear magnetic ground state in the Fe monolayer on Ir(111)**
M. Menzel, S. Heinze, K. von Bergmann, G. Bihlmayer, A. Kubetzka, S. Blügel, and R. Wiesendanger, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2010-3-25: **Cr Bulk Tips for Spin Polarized Scanning Tunneling Microscopy with both In-plane and Out-of-plane Sensitivity**
A. Emmenegger, G. Herzog, S. Krause, and R. Wiesendanger, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2010-3-25: **Heat assisted Spin Torque Switching of Nanomagnets by SP-STM**
G. Herzog, S. Krause, A. Schlenhoff, and R. Wiesendanger, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2010-3-25: **Imaging and Manipulating the Spin Direction of Individual Atoms**
Y. Yoshida, Applied quantum physics seminar (Kyushu University), Fukuoka (Japan)

2010-3-24: **Domain wall motion damped by the emission of spin waves**
R. Wieser, E. Y. Vedmedeko, and R. Wiesendanger, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2010-3-23: **Range of spin-polarization on the (111) surface of platinum induced by the proximity of cobalt stripes**
F. Meier, L. Zhou, J. Wiebe, and R. Wiesendanger, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2010-3-23: **Electronic structure of graphene on Ru(0001) studied with STS**
M. Gyamfi, T. Eelbo, M. Wasniowska, O. Pietzsch, R. Wiesendanger, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2010-3-23: **Untersuchung des thermischen und strominduzierten Schaltens der Magnetisierung von Fe/W(110)-Nanoinseln mittels spinpolarisierter Rastertunnelmikroskopie**
S. Krause, Competition for the Thyssen-Krupp Dissertation Prize, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2010-3-22: **Measuring the distance dependence of the magnetic exchange interaction across a vacuum gap**
R. Schmidt, U. Kaiser, A. Schwarz, and R. Wiesendanger, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2010-3-20: **Imaging and Manipulating the Spin Direction of Individual Atoms**
Y, Yoshida, D. Serrate, P. Ferriani, S. H. Hla, M. Menzel, K. v. Bergmann, S. Heize, A. Kubetzka, R. Wiesendanger, 65th Annual meeting, The physical society of Japan, Okayama (Japan)

2010-3-18: **Surface Supported Formation of Magnetic Molecular Chains**
A. DiLullo, K. Clark, S.-W. Hla, S.-H. Chang, S. Kuck, G. Hoffman, R. Wiesendanger, 2010 APS March Meeting, Portland, Oregon (USA)

2010-3-15: **Crossover temperature of finite samples at finite observation times**
E. Vedmedenko, 2010 APS March Meeting, Portland, Oregon (USA)

2010-3-14: **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, APS March Meeting 2010, Portland (USA)

2010-3-9: **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, UCI Seminar, Wilson Ho Group, Irvine (USA)

2010-3-9: **Scanning tunneling Spectroscopy of wave functions in the integer quantum Hall regime**
K. Hashimoto, C. Sohrmann, J. Wiebe, T. Inaoka, F. Meier, Y. Hirayama, R. A. Römer, R. Wiesendanger, and M. Morgenstern, International Symposium on Quantum Nanostructures and Spin-related Phenomena, Tokyo (Japan)

2010-3-8: **Probing the spin-state of individual quantum magnets embedded in a semiconductor**
J. Wiebe, Seminar "Kondensierte Materie", Gruppe Prof. M. Morgenstern, II. Physikalisches Institut B, RWTH Aachen, Aachen (Germany)

2010-3-4: **Using single-atom magnetization curves to study magnetic interaction**
L. Zhou, LEXI–Workshop "NANOSPINTRONICS", Hamburg (Germany)

2010-3-4: **Study on Automated Atom Manipulation**
B. Wolter, LEXI–Workshop "NANOSPINTRONICS", Hamburg (Germany)

2010-3-3: **Determining the magnetism of single atoms on a semiconductor surface**
B. Chilian, A. Khajetoorians, J. Wiebe, S. Schuwalow, F. Lechermann, and R. Wiesendanger, LEXI–Workshop "NANOSPINTRONICS", Hamburg (Germany)

2010-3-3: **Magnetic Exchange Force Microscopy**
R. Schmidt, LEXI–Workshop "NANOSPINTRONICS", Hamburg (Germany)

2010-2-12: **Nanotechnik als Anwendungsgebiet für die Profiloberstufe**
H. Fuchs, Naturwissenschaftliche Fachtagung für Lehrer, Hamburg (Germany)

2010-1-18: **Spin-resolved electron transport through magnetic nanostructures studied by a low-temperature multiprobe-STM**
R. Wiesendanger, Workshop on Nanoelectronics, Bad Honnef (Germany)

2010-1-15: **The Quest for Molecular Magnetism**
G. Hoffmann, Sonderseminar des SFB 767, Konstanz (Germany)

2010-1-14: **Faszinierende magnetische Phänomene im Nanokosmos**
R. Wiesendanger, Magnus-Haus (Colloquium), Berlin (Germany)

2010-1-6: **Real space observation of spin frustration in Cr on a triangular lattice**
M. Wasniowska, Seminar in Solid State Physics,AGH University of Science and Technology, Krakow (Poland)

2009-12-2: **Spin mapping and magnetometry at the atomic level**
R. Wiesendanger, MIT (Seminar), Cambridge (USA)

2009-11-23: **Status of WP 2**
G. Hoffmann and R. Wiesendanger, EU Spidme Meeting, Dublin (Ireland)

2009-11-23: **Nanoscience research facilities at the University of Hamburg**
R. Wiesendanger, DESY Science Corridor Symposium, Hamburg (Germany)

2009-11-20: **Außerschulische Lernpartner und Schulen im Dialog**
H. Fuchs, Lehrweiterbildung, Hamburg (Germany)

2009-11-13: **Spin mapping and spin manipulation on the atomic scale**
R. Wiesendanger, SFB602-Seminar, Göttingen (Germany)

2009-11-9: **Surface Supported Chain Formation of Magnetic Molecules**
S.-H. Chang, K. Clark, A. Dilullo, S. Kuck, S.-W. Hla, G. Hoffmann, R. Wiesendanger, AVS 2009, San Jose (USA)

2009-11-9: **Resolving the Interface Magnetism of a Molecule-Based Spin Filter**
J. Brede, S. Kuck, G. Hoffmann, P. Lazic, S. Blügel, R. Wiesendanger, and N. Atodiresei, AVS 2009, San Jose (USA)

2009-11-5: **The Quest For Molecular Magnetism**
G. Hoffmann, Colloquium Ohio University, Athens (USA)

2009-10-30: **Strength and Directionality of Surface RKKY-Interaction Mapped on the Atomic Scale**
L. Zhou, 3rd Graduate-Class Workshop of the Graduietenkolleg 1286, Schwerin (Germany)

2009-10-26: **Mapping of Magnetism in Adatom Nanostructures by Spin-Polarized STM**
F. Meier, Seminar at Max-Planck Institute, Halle (Germany)

2009-10-14: **Understanding and Designing Molecular Magnetism**
G. Hoffmann, GrK 611 Workshop, Weißenhäuser Strand (Lübeck)

2009-10-9: **Current-Induced Magnetization Switching of Thermally Quasistable Nanoislands – Our New Toolbox**
G. Herzog, S. Krause, and R. Wiesendanger, Graduate-Class Workshop GK1268, Schwerin (Germany)

2009-9-18: **Scanning Force Microscopy and Spectroscopy**
A. Schwarz, 3rd International Summer School on Physics of Functional Micro- and Nanostructures , Hamburg (Germany)

2009-9-14: **From molecular magnetism to the tailoring of substrates**
G. Hoffmann, Seminar AG Bauer, University of Kiel, Kiel (Germany)

2009-8-20: **Artificially structured nanomagnets: Perspectives of nano-spintronics**
R. Wiesendanger, 3rd International Workshop on "Smart Materials and Structures", Kiel (Germany)

2009-8-12: **Atomic-Resolution Damping Force Spectroscopy on Nanotube Peapods with Different Tube Diameters**
M. Ashino, R. Wiesendanger, A. N. Khlobystov, S. Berber, and D. Tománek, 12th International Conference on Non-Contact Atomic Force Microscopy, New Haven (CT) (USA)

2009-8-12: **Steering the formation of molecular nanowires and compact nanocrystallites on NaCl(001)**
S. Fremy, A. Schwarz, K. Lämmle, R. Wiesendanger, and M. Prosenc, 12th International Conference on Non-Contact Atomic Force Microscopy, New Haven, CT (USA)

2009-8-12: **Atomic-Resolution Damping Force Spectroscopy on Nanotube Peapods with Different Tube Diameters**
M. Ashino, R. Wiesendanger, A. N. Khlobystov, S. Berber, and D. Tománek, 12th International Conference on Non-Contact Atomic Force Microscopy, New Haven, CT (USA)

2009-8-6: **New Developments in the Field of Magnetic Exchange Force Microscopy**
A. Schwarz, Seminar Talk at Princeton University (Group of A. Yazdani), Princeton, NJ (USA)

2009-7-30: **Current-Induced Magnetization Switching of Thermally Quasistable Nanoislands Using SP-STM**
S. Krause, G. Herzog and R. Wiesendanger, International Conference on Magnetism (ICM), Karlsruhe (Germany)

2009-7-29: **Complex magnetic structures on the atomic scale revealed by spin-polarized STM**
K. von Bergmann, Seminar talk in the group of K. KernMPI Stuttgart, Stuttgart (Germany)

2009-7-27: **Observation of spin-spiral magnetic order and spin-orbit contrast in the 2nd monolayer Mn/W(110)**
Y. Yoshida, D. Serrate, A. Kubetzka, M. Menzel, K. von Bergmann, R. Wiesendanger, International Conference on Magnetism (ICM), Karlsruhe (Germany)

2009-7-26: **Control of the Domain-Wall Velocity in Ultrathin Magnets by Tuning of Exchange Interactions**
E. Vedmedenko, International Conference on Magnetism (ICM), Karlsruhe (Germany)

2009-7-26: **Superparamagnetic switching of two-dimensional nanoparticles**
E. Vedmedenko, International Conference on Magnetism (ICM), Karlsruhe (Germany)

2009-7-24: **Spin-resolved excitations of single atoms with scanning tunneling microscopy**
K. von Bergmann, S. Loth, M. Ternes, A. F. Otte, C. F. Hirjibehedin, C. P. Lutz, and A. J. Heinrich, 20th International Colloquium on Magnetic Films and Surfaces (ICMFS), Berlin (Germany)

2009-7-21: **Observation of spin frustration in Cr on a triangular lattice**
M. Wasniowska, S. Schroeder, P. Ferriani, and S. Heinze, 5th International Symposium on Scanning Probe Spectroscopy and Related Methods, Wasowo (Poland)

2009-7-19: **Resolving the interface magnetism of a molecule-based spin filter**
J. Brede, S. Kuck, G. Hoffmann, P. Lazic, S. Blügel, R. Wiesendanger, and N. Atodiresei, 5th International Symposium on Scanning Probe Spectroscopy and Related Methods (SPS 09), Wasowo (Poland)

2009-6-13: **Magnetismus im Nanokosmos**
R. Wiesendanger, Open Uni, Hamburg (Germany)

2009-6-4: **Low-Temperature Scanning Tunneling Spectroscopy on Individual Magnetic Dopants in III/V Semiconductors**
J. Wiebe, International Symposium on Quantum Materials, Hamburg (Germany)

2009-4-22: **Perspectives of Nano-Spintronics**
R. Wiesendanger, Colloquium, Poznan (Poland)

2009-4-20: **New horizons in condensed matter physics by scanning probe techniques**
R. Wiesendanger, Seminar, Poznan (Poland)

2009-4-7: **How innocent is an adsorbed molecule?**
G. Hoffmann, Seminar IMM, Nijmegen (The Netherlands)

2009-4-6: **Real Space Observation of Molecular Frontier Orbitals**
J. Brede, SpiDME Meeting 1/2009, Nijmegen (The Netherlands)

2009-4-1: **Perspektiven der Nano-Spintronik**
R. Wiesendanger, nanoDE'09, Ulm (Germany)

2009-3-27: **Spin mapping and spin manipulation on the atomic scale**
R. Wiesendanger, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-27: **Spin-resolved excitations of single atoms with STM**
K. von Bergmann, S. Loth, M. Ternes, A. F. Otte, C. F. Hirjibehedin, C. P. Lutz, and A. J. Heinrich, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-26: **Thermally Induced Magnetization Reversal of Fe/W(110) Nanoislands Investigated by SP-STM**
S. Krause, G. Herzog, L. Berbil-Bautista, M. Bode, and R. Wiesendanger, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-25: **High Resolution 3D-Force-Field-Spectroscopy on Fe/W(001)**
R. Schmidt, C. Lazo, U. Kaiser, A. Schwarz, S. Heinze, and R. Wiesendanger, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-25: **Quasi-Antiferromagnetic 120° Néel-State in 2D Clusters of Dipole-Quadrupole-Interacting**
N. Mikuszeit, L. Baraban, E. Y. Vedmedenko, A. Erbe, P. Leiderer, and R. Wiesendanger, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-25: **Quantized spin waves in ferromagnetic and antiferromagnetic systems with domain wall**
R. Wieser, E. Y. Vedmedenko, and R. Wiesendanger, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-25: **Investigation of isolated single molecules on an insulating substrate**
K. Lämmle, A.Schwarz, M. Prosenc, and R. Wiesendanger, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-25: **Splitting of the Curie temperature for two-dimensional anisotropic nanoparticles**
E. Vedmedenko, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-25: **Monte-Carlo Study of Hysteretic Properties of Atomic Pairs and Triplets**
E. Vedmedenko, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-23: **Oscillatory indirect exchange in adatom pairs and triplets**
J. Wiebe, L. Zhou, S. Lounis, E. Y. Vedmedenko, F. Meier, P. H. Dederichs, S. Blügel, and R. Wiesendanger, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-23: **Electronic structure of FeTPC on Cu(111) vs Cu(100) investigatedwith STM and STS**
S. Kuck, L. Lichtenstein, G. Hoffmann, R. Wiesendanger, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-23: **Periodic LDOS modulations in self-organized bi-atomic chains**
M. Menzel, K. von Bergmann, A. Kubetzka, and R. Wiesendanger, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-23: **Imaging single atom spins on a magnetic template**
A. Kubetzka, P. Ferriani, D. Serrate, Y. Yoshida, S.-W. Hla, M. Menzel, O. Ferdinand, K. von Bergmann, S. Heinze, and R. Wiesendanger, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-23: **Observation of spin-spiral magnetic order in 2 ML Mn/W(110)**
Y. Yoshida, D. Serrate, A. Kubetzka, M. Menzel, K. von Bergmann, and R. Wiesendanger, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-23: **Observation of spin-spiral magnetic order in 2 ML Mn/W(110)**
Yasuo Yoshida, David Serrate, Andre Ku betzka, Matthias Menzel, Kirsten von Bergmann, and Roland Wiesendanger, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-23: **Observation of spin-spiral magnetic order in 2 ML Mn/W(110)**
Yasuo Yoshida, David Serrate, Andre Kubetzka, Matthias Menzel, Kirsten von Bergmann, and Roland Wiesendanger, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-3-22: **Right rotating Néel type domain walls in the Fe double-layer on W(110)**
S. Meckler, A. Preßler, M. Gyamfi, O. Pietzsch and R. Wiesendanger, 73rd Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2009-2-26: **What we can learn from molecules： A STM approach**
S.-H. Chang, Seminar, Research Center for Applied Sciences, Academia Sinica, Taipeh (Taiwan)

2009-2-25: **Perspectives of Nano-Spintronics**
R. Wiesendanger, 2nd MANA International Symposium, Tsukuba (Japan)

2009-2-19: **The Physics of Molecule-Based TMR Spin Valves**
J. Brede, S. Kuck, G. Hoffmann, R. Wiesendanger, Seminar FZ Jülich, Jülich (German)

2009-2-4: **Probing the Magnetic Exchange Forces of Iron on the Atomic Scale**
R. Schmidt, GrK 611 "Design and Characterisation of Functional Materials" - Seminar, Hamburg (Germany)

2009-1-22: **Unusual elastic and inelastic behaviors of carbon nanotubes due to molecular encapsulations: Dynamic force microscopy and spectroscopy studies.**
M. Ashino, Seminar at Departamento de Fisica Teorica de la Materia Condesada, Universidad Autonoma de Madrid , Madrid (Spain)

2009-1-20: **Real-space imaging of quantum Hall transition**
K. Hashimoto, C. Sohrmann, J. Wiebe, T. Inaoka, F. Meier, Y. Hirayama, R. A. Römer, R. Wiesendanger, and M. Morgenstern, International Symposium on Nanoscale Transport and Technology, Atsugi (Japan)

2009-1-6: **Molecules on metals: A STM approach**
S.-H. Chang, Seminar, Division of Physics and Applied Physics, Nanyang Technological University, Singapore (Singapore)

2008-12-30: **Investigations of Superparamagnetic Nanoislands - Current Status**
G. Herzog, Graduate-Class Workshop GK1268, Husum (Germany)

2008-12-10: **STM investigation of Phthalocyanines:adsorption, electronic, and magnetic properties**
G. Hoffmann, internes Seminar, AG Wende, Duisburg (Germany)

2008-12-9: **Metal-Organic Complexes in interaction with a surface**
G. Hoffmann, Gemeinsames Kolloquium SFB 445, 491 und 616, Duisburg (Germany)

2008-12-7: **Real space imaging of the quantum Hall transition**
K. Hashimoto, C. Sohrmann, J. Wiebe, T. Inaoka, Y. Hirayama, R. A. Roemer, R. Wiesendanger, and M. Morgenstern, 13th Advanced Heterostructures and Nanostructures Workshop, Hawaii (USA)

2008-11-26: **Nanotechnologie: Kleine Teile mit großer Wirkung**
R. Wiesendanger, Hanseatische Universitätsgespräche, Hamburg (Germany)

2008-11-25: **metal-organic complexes on metallic and insulating surfaces**
G. Hoffmann, Weekly Seminar, Osaka (Japan)

2008-11-25: **From Single Molecules to Nanocrystalline Structures**
A. Schwarz, Seminar Talk at UCL (Group of A. Shluger) , London (Great Britain)

2008-11-12: **Oscillatory magnetic exchange coupling at the atomic level: a direct real-space study by a subkelvin spin-polarized STM**
L. Zhou, F. Meier, J. Wiebe, and R. Wiesendanger, Seminar at the Nano Electronic Materials Research Group, the University of Texas at Austin, Austin, Texas (USA)

2008-11-4: **New horizons in condensed matter physics by scanning probe techniques**
R. Wiesendanger, MPI für Festkörperforschung (Colloquium), Stuttgart (Germany)

2008-10-30: **Revealing Magnetic Interactions from Single-Atom Magnetization Curves**
L. Zhou, 2nd Graduate-Class Workshop of the Graduietenkolleg 1286, Husum (Germany)

2008-10-27: **New horizons in condensed matter physics by scanning probe techniques**
R. Wiesendanger, TU Wien (Colloquium), Wien (Austria)

2008-10-25: **Probing single-atom magnetization curves: A method to detectlow-energy magnetic interaction in nanostructures**
J. Wiebe, Symposium der Forschergruppe "Coherence and relaxation properties of electron spins", Dresden (Germany)

2008-10-20: **Spatial Observation of Spin-Resolved Landau Levels on an Adsorbate-Induced Two-Dimensional Electron System**
K. Hashimoto, C. Sohrmann, J. Wiebe, T. Inaoka, Y. Hirayama, R. A. Roemer, R. Wiesendanger, and M. Morgenstern, The IEEE Nanotechnology Materials and Devices Conference, Kyoto (Japan)

2008-10-17: **Magnetic Exchange Force Microscopy**
R. Schmidt, GrK 611 "Design and Characterisation of Functional Materials" - Bonding 2008, Weissenhäuser Strand (Germany)

2008-10-17: **Approach towards molecular magnetism**
J. Schwöbel, GrK 611 Workshop, Weißenhäuser Strand (Germany)

2008-9-18: **Magnetic Exchange Force Microscopy with Atomic Resolution**
U. Kaiser, A. Schwarz, and R. Wiesendanger, Joint European Magnetic Symposia (JEMS), Dublin (Ireland)

2008-9-18: **Revealing Magnetic Interactions from Single-Atom Magnetization Curves**
L. Zhou, F. Meier, J. Wiebe, R. Wiesendanger, Joint European Magnetic Symposia (JEMS), Dublin (Ireland)

2008-9-17: **Standin spin waves in AFM spin systems**
R. Wieser, E. Y. Vedmedenko, and R. Wiesendanger, Joint European Magnetic Symposia (JEMS), Dublin (Ireland)

2008-9-16: **Magnetic Exchange Force Microscopy on Fe/W(001)**
A. Schwarz, R. Schmidt, R. Wiesendanger, C. Lazo, S. Heinze, V. Caciuc, and H. Hölscher, 11th International Conference on Non-Contact Atomic Force Microscopy, Madrid (Spain)

2008-9-16: **Scanning Tunneling Microscopy and Spectroscopy**
R. Wiesendanger, (2nd Int. Summer School "Physics of Functional Micro- and Nanostructures", Hamburg (Germany)

2008-9-16: **Atomic-Resolution 3D Force and Damping Maps on Nanotube Peapods**
M. Ashino, D. Obergfell, S. Roth, S. Berber, D. Tomanek, R. Wiesendanger, 11th International Conference on Non-Contact Atomic Force Microscopy, Madrid (Spain)

2008-9-16: **Atomic-Resolution 3D Force and Damping Maps on Nanotube Peapods**
M. Ashino, D. Obergfell, S. Roth, S. Berber, D. Tomanek, R. Wiesendanger, 11th International Conference on Non-Contact Atomic Force Microscopy, Madrid (Spain)

2008-9-15: **Scanning Tunneling Microscopy and Spectroscopy**
R. Wiesendanger, 2nd Int. Summer School "Physics of Functional Micro- and Nanostructures", Hamburg (Germany)

2008-9-12: **New horizons in condensed matter physics by scanning probe techniques**
R. Wiesendanger, University of Basel (Colloquium), Basel (Switzerland)

2008-7-30: **Probing Fe/W(001) with magnetic exchange force microscopy**
R. Schmidt, C. Lazo, U. H. Pi, V. Caciuc, H. Hölscher, A. Schwarz, R. Wiesendanger and S. Heinze, European Conference on Surface Science (ECOSS 2008), Liverpool (UK)

2008-7-23: **Spin spiral states in low-dimensional magnets studied by low-temperature spin-polarized scanning tunneling spectroscopy**
R. Wiesendanger, International Conference on Nanoscience and Technology, Keystone, Colorado (USA)

2008-7-23: **Molecular self-ordering on metallic substrates**
J. Brede, M. Linares, G. Hoffmann, and R. Wiesendanger, International Conference on Nanoscience and Technology, Keystone, Colorado (USA)

2008-7-23: **Current-induced Magnetization Switching of Thermally Stable Nanoislands Using SP-STM**
S. Krause, G. Herzog, M. Bode, R. Wiesendanger, International Conference on Nanoscience and Technology, Keystone, Colorado (USA)

2008-7-23: **Bloch- or Néel-like walls in Fe double-layer nanowires**
S. Meckler, A. Preßler, M. Gyamfi, O. Pietzsch and R. Wiesendanger, International Conference on Nanoscience and Technology, Keystone, Colorado (USA)

2008-7-17: **Bloch- or Néel-like walls in Fe double-layer nanowires**
S. Meckler, A. Preßler, M. Gyamfi, O. Pietzsch and R. Wiesendanger, NSS5/SP-STM2, Athens, Ohio (USA)

2008-7-17: **Magnetic Exchange Force Microscopy: A force based spin sensitive method**
A. Schwarz, R. Schmidt, C. Lazo, V. Caciuc, H. Hölscher, S. Heinze, R. Wiesendanger, NSS5/SP-STM2, Athens, Ohio (USA)

2008-7-17: **Oscillatory magnetic exchange coupling at the atomic level: a direct real-space study by a sub-Kelvin spin-polarized STM**
R. Wiesendanger, NSS5/SP-STM2, Athens, Ohio (USA)

2008-7-16: **A new scanning tunneling microscope for spin-sensitivemeasurements in a fully rotatable magnetic field**
M. Gyamfi, S. Meckler, O. Pietzsch, and R. Wiesendanger, NSS5/SP-STM2, Athens, Ohio (USA)

2008-6-25: **Probing single-atom magnetization curves: A method to detect magneticinteractions in nanostructures**
J. Wiebe, Nanoscale Science Department SeminarMax-Planck-Institute for Solid State Research, Stuttgart (germany)

2008-6-16: **New horizons in condensed matter physics by local probe techniques**
R. Wiesendanger, RWTH Aachen (Colloquium), Aachen (Germany)

2008-5-2: **New horizons in condensed matter physics by local probe techniques**
R. Wiesendanger, Ohio University (colloquium), Athens, Ohio (USA)

2008-4-28: **Neue Horizonte in der Festkörperforschung durch lokale Sondenmethoden**
R. Wiesendanger, University of Jena (colloquium), Jena (Germany)

2008-4-12: **Nanotechnologie in der Region Hamburg**
R. Wiesendanger, Bürgerdialog: Sichere Herstellung von Nanomaterialien, Hamburg (Germany)

2008-4-11: **Complex magnetic structures on the atomic scale revealed by spin-polarized STM**
K. von Bergmann, Condensed Matter Physics Seminar,Physics Department, Princeton University, USA, Princeton (USA)

2008-4-3: **Complex magnetic structures on the atomic scale revealed by spin-polarized STM**
K. von Bergmann, Condensed Matter Physics Seminar,Department of Physics, Stanford University, USA, Palo Alto (USA)

2008-3-28: **Complex magnetic structures on the atomic scale revealed by spin-polarized STM**
K. von Bergmann, Seminar of Prof. M. Crommie,Department of Physics, University of California at Berkeley, USA, Berkeley (USA)

2008-3-7: **Revealing Magnetic Interactions From Single-Atom Magnetization Curves**
J. Wiebe, Nanotechnology Seminar, Center for Nanoscale Science and Technology, National Institute of Standards and Technology, Gaithersburg (USA)

2008-2-28: **A structural study of porphyrins interacting with a metallic surface**
J. Brede, G. Hoffmann, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-28: **Fe/W(001) - a structurally, electronically and magneticallyinhomogeneous system studied by force microscopy**
R. Schmidt, U. H. Pi, A. Schwarz, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-27: **Nanowires for high DC current applications**
S. Hankemeier, K. Sachse, Y. Stark, M. Scholz, G. Hoffmann, R. Frömter, and H. P. Oepen, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-27: **Scanning Tunneling Microscopy Study of Iron(II) Phthalocyanine Growth on Metal and Insulating Surfaces**
A. Scarfato, S.-H. Chang, G. Hoffmann, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-27: **Current-induced magnetization switching of thermally stablenanoislands**
S. Krause, G. Herzog, M. Bode, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-26: **Advances in Magnetic Exchange Force Microscopy**
A. Schwarz, U. Kaiser, R. Schmidt, R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-25: **Effects of Ga+ irradiation on the magnetotransport in NiFe**
A. Kobs, D. Stickler, M. Scholz, G. Hoffmann,and H. P. Oepen, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-25: **The Effect of Step Atoms on the Switching Behavior ofSuperparamagnetic Nanoislands**
G. Herzog, S. Krause, M. Bode, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-25: **Spin-polarized scanning tunneling spectroscopy on individual magnetic adatoms**
L. Zhou, F. Meier, J. Wiebe, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-25: **Tip Effects in Magnetic Exchange Force Microscopy**
U. Kaiser, A. Schwarz, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-25: **Magnetic ordering in 2 dimensional arrays of polarized particles with higher order multipole moments**
M. Schult, N. Mikuszeit, E. Y. Vedmedenko, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-25: **Dipolar interactions on lateral structured square lattices**
A. Schumann, A. Remhof, A. Westphalen, H. Zabel, T. Last, U. Kunze, E. Y. Vedmedenko, and N. Mikuszeit, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-25: **Computer experiments on standing spin wave resonances using Landau-Lifshitz-Gilbert dynamics**
R. Wieser, E. Y. Vedmedenko, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-25: **Spin-polarized scanning tunneling spectroscopy on individual magnetic adatoms**
L. Zhou, F. Meier, J. Wiebe, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-22: **Spin mapping on the atomic scale**
R. Wiesendanger, Seminar University of New South Wales, Sydney (Australia)

2008-2-18: **Conformational study of FeTPC molecules on Cu(111) withSTM**
S. Kuck, G. Hoffmann, and R. Wiesendanger, 72nd Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2008-2-8: **Low-temperature scanning tunneling spectroscopy on individual Mn acceptors in InAs**
J. Wiebe, Seminar in the Photonics and Semiconductor Nanophysics group at the Eindhoven University of Technology, Eindhoven (The Netherlands)

2008-2-7: **Subkelvin spin polarized STM: measuring magnetization curves of individual adatoms**
J. Wiebe, Seminar in the Photonics and Semiconductor Nanophysics group at the Eindhoven University of Technology, Eindhoven (The Netherlands)

2008-1-23: **Dynamical processes in magnetic nanostructures studied by time- and spin-resolved scanning tunneling spectroscopy**
R. Wiesendanger, Seminar MPI Physik komplexer Systeme, Dresden (Germany)

2008-1-23: **Magnetic Exchange Force Microscopy**
A. Schwarz, Seminar Talk Kyoto University (H. Yamada Group), Kyoto (Japan)

2008-1-15: **Nanotechnologie im Alltag mit Demonstrationen**
Heiko Fuchs, Ringvorlesung, Hamburg (Germany)

2007-12-12: **Twisting of Phenyl Groups in Corrole and Porphyrin molecules**
G. Hoffmann, Seminar University of Mons, Mons (Belgien)

2007-12-10: **Advanced Scanning Probe Microscopy**
G. Hoffmann, SPiDMe Meeting (EU), Dublin (Ireland)

2007-12-10: **Superparamagnetic switching behavior of nanoislands Fe/W(110)**
G. Herzog, S. Krause, L. Berbil-Bautista, M. Bode, and R. Wiesendanger, Graduate-Class Workshop GrK 1268, Reinbek (Germany)

2007-12-10: **Spin-Polarized Scanning Tunneling Spectroscopy on Individual Magnetic Adatoms**
L. Zhou, 1st Graduate-Class Workshop of the Graduietenkolleg 1286, Reinbek (Germany)

2007-12-3: **Complex magnetic structures on the atomic scale revealed by spin-polarized STM**
K. von Bergmann, Seminar of Group of Prof. J.I. Pascual, Inst. of exp. physics, Free Univ. Berlin , Berlin (Germany)

2007-11-20: **Contributions of low-temperature scanning probe spectroscopy to modern condensed matter research**
R. Wiesendanger, Seminar Kavli Nanoscience Institute, Caltech (USA)

2007-11-19: **Spin mapping on the atomic scale**
R. Wiesendanger, Seminar Kavli Nanoscience Institute, Caltech (USA)

2007-11-9: **Local Probing of Magnetic Molecules**
G. Hoffmann, Seminar AG M. Bröring / University of Marburg, Marburg (Germany)

2007-11-9: **Iron-Tri-Phenyl-Corrole (FeTPC) on the Cu(111) and Cu(100) surface probed with STM**
S. Kuck, Seminar AG M. Bröring / University of Marburg, Marburg (Germany)

2007-11-6: **Magnetization Curves from Individual Magnetic Adatoms**
J. Wiebe, F. Meier, L. Zhou, and R. Wiesendanger, 52nd Magnetism and Magnetic Materials Conference, Tampa, Florida (USA)

2007-11-2: **Imaging the magnetization of individual atoms**
J. Wiebe, Materials Science Seminar at the University of New Hampshire, Durham, New Hampshire (USA)

2007-10-23: **Local Probing of Molecular Spintronic Devices (LoPMoS)**
G. Hoffmann, 2nd stage evaluation of ERC Starting Grant , Brussels (Belgium)

2007-10-6: **Installation of a new 300 mK STM for the investigation of molecular systems and planned experiments**
J. Schwöbel, GrK 611 Workshop, Weißenhäuser Strand (Germany)

2007-9-24: **Recent research highlights based on scanning probe methods**
R. Wiesendanger, Int. Summer School "Physics of Functional Micro- and Nanostructures", Hamburg (Germany)

2007-9-21: **Scanning Force Microscopy and Spectroscopy**
R. Wiesendanger, Int. Summer School "Physics of Functional Micro- and Nanostructures", Hamburg (Germany)

2007-9-20: **Scanning Tunneling Microscopy and Spectroscopy**
R. Wiesendanger, Int. Summer School "Physics of Functional Micro- and Nanostructures", Hamburg (Germany)

2007-9-17: **Fe/W(001) - a structurally, electronically and magnetically inhomogeneous system studied by force microscopy**
R. Schmidt, U. H. Pi, A. Schwarz, and R. Wiesendanger, 10th International Conference on Non-Contact Atomic Force Microscopy, NC-AFM 2007, Antalya (Turkey)

2007-9-17: **Tip Effects in Magnetic Exchange Force Microscopy**
U. Kaiser, A. Schwarz, and R. Wiesendanger, 10th International Conference on Non-Contact Atomic Force Microscopy, Antalya (Turkey)

2007-9-16: **The Inverse Approach- 3D-Force-Field-Spectroscopy as a Tool to Investigate Properties of the Tip Apex Atoms**
A. Schwarz, U. Kaiser, and R. Wiesendanger, 10th International Conference on Non-Contact Atomic Force Microscopy, NC-AFM 2007, Antalya (Turkey)

2007-9-15: **Real-space spectroscopy of spin and Landau levels in the integer quantum Hall regime**
K. Hashimoto, C. Sohrmann, J. Wiebe, T. Inaoka, Y. Hirayama, R. A. Römer, R. Wiesendanger, and M. Morgenstern, International Conference on Electronic Properties of Two-dimensional Systems and Modulated Semiconductor Structures, Geneva (Italy)

2007-8-6: **Complex magnetic structures on the atomic scale revealed by spin-polarized STM**
Kirsten von Bergmann, Seminar of Prof. H. Fukuyama, Department of Physics, University of Tokyo, Tokyo (Japan)

2007-7-4: **Observation of a spin spiral state in the Mn monolayer on W(001) by spin-polarized scanning tunneling microscopy**
Kirsten von Bergmann, André Kubetzka, Matthias Bode, Roland Wiesendanger, International Conference on Nanoscience and Technology, Stockholm (Sweden)

2007-7-4: **Growth and electronic properties of atomic Fe chains on Ir(001)**
M. Menzel, A. Kubetzka, K. von Bergmann, M. Bode, and R. Wiesendanger, International Conference on Nanoscience and Technology, Stockholm (Sweden)

2007-7-4: **Chiral magnetic Ordering in Two-dimensional Ferromagnets with competing Dzyaloshinsky-Moriya interactions**
E. Y. Vedmedenko, International Conference on Nanoscience and Technology, Stockholm (Sweden)

2007-7-3: **Current induced magnetization switching — is it possible with SP-STM?**
S. Krause, L. Berbil-Bautista, G. Herzog, M. Bode, and R. Wiesendanger, International Conference on Nanoscience and Technology, Stockholm (Sweden)

2007-5-24: **Advanced Scanning Probe Microscopy**
G. Hoffmann, SPiDMe Meeting (EU), Nijmegen (Netherlands)

2007-5-15: **Spin mapping on the atomic scale**
R. Wiesendanger, Seminar MPI für Mikrostrukturphysik, Halle (Saale) (Germany)

2007-5-14: **Advanced Scanning Probes for Innovative Nanoscience and Technology**
G. Hoffmann and R. Wiesendanger, ASPRINT meeting (EU), Nijmegen (Netherlands)

2007-3-29: **Current induced magnetization switching — a possible applicationfor SP-STM?**
S. Krause, L. Berbil-Bautista, G. Herzog, M. Bode, and R. Wiesendanger, 71st Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2007-3-29: **Magnetic Exchange Force Microscopy**
U.Kaiser, A. Schwarz, and R. Wiesendanger, 71st Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2007-3-28: **Non-collinear magnetism of magnetic 3d-monolayers on Cu and Ag (111) surfaces**
R. Wieser, E. Y. Vedmedenko, and R. Wiesendanger, 71st Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2007-3-27: **Co on Pt(111): from monolayer islands to single atoms**
F. Meier, K. von Bergmann, P. Ferriani, J. Wiebe, M. Bode, K. Hashimoto, S. Heinze, and R. Wiesendanger, 71st Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2007-3-27: **The Mn acceptor in InAs: Depth-dependent shape and suppression of the conduction band**
F. Marczinowski, J. Wiebe, R. Wiesendanger, M. Morgenstern, J.M. Tang, and M. Flatté, 71st Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2007-3-26: **Electronic properties of self-organized bi-atomic Fe chains on Ir(001)**
M. Menzel, A. Kubetzka, K. von Bergmann, M. Bode, and R. Wiesendanger, 71st Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2007-3-26: **Advances in High Resolution 3-Dimensional Force Field Spectroscopy**
A. Schwarz, U. Kaiser, and R. Wiesendanger, 71st Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2007-3-26: **Kelvin Probe Force Microscopy on Electrically Inhomogeneous Fe/W(001) Films**
U. H. Pi, R. Schmidt, A. Schwarz, and R. Wiesendanger, 71st Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2007-2-21: **Mapping spin structures on the atomic scale**
R. Wiesendanger, ICTP Seminar, Trieste (Italy)

2007-2-6: **Nanotechnologie - ein Blick in eine neue Welt**
R. Wiesendanger, Rotary Club Schenefeld, Hamburg (Germany)

2007-1-12: **Complex magnetic structures on the atomic scale revealed by spin-polarized STM**
K. von Bergmann, Colloquium at IBM Almaden Research Center, San Jose (USA)

2006-12-11: **Advances in High Resolution Atomic Force Microscopy**
A. Schwarz, Seminar Prof. Löhneysen, Karlsruhe (Germany)

2006-11-30: **Magnetic Ordering at the Nanoscale**
E. Y. Vedmedenko, Colloquium of the SFB 491, Bochum (Germany)

2006-11-28: **Salens on Surfaces**
G. Hoffmann, Seminar Trinity College Dublin, Dublin (Ireland)

2006-11-27: **Spin-Polarized Scanning Probe Microscopy**
G. Hoffmann, ASPRINT meeting (EU), Dublin (Ireland)

2006-11-9: **Advanced Scanning Probe Microscopy**
G. Hoffmann, SPiDMe meeting (EU), Roma (Italy)

2006-10-30: **STM Study on Individual Mn-Acceptors in InAs**
F. Marczinowski, J. Wiebe, F. Meier, and R. Wiesendanger, Seminar über Methoden der Festkörper- und Halbleiterphysik, Göttingen (Germany)

2006-10-30: **Magnetic Exchange Force Microscopy**
A. Schwarz, Seminar Yale University (Schwarz), New Haven (USA)

2006-10-26: **Advances in High Resolution Atomic Force Microscopy**
A. Schwarz, Seminar NIST (Pierce), Gaithersburg (USA)

2006-10-14: **Towards Magnetic Exchange Force Microscopy**
R. Schmidt, GrK 611 "Design and Characterisation of Functional Materials" - Bonding 2006, Weissenhäuser Strand (Germany)

2006-10-12: **STS Studies of Fe Monomers and Multimers on InAs(110) Surfaces**
T. Matsui, C. Meyer, L. Sacharow, and R. Wiesendanger , The University of Tokyo International Symposium and the 10th ISSP International Symposium on Nanoscience at Surfaces, Kashiwa, Chiba (Japan)

2006-8-25: **Novel Magnetic Structure in the Fe Monolayer on Ir(111)**
K. von Bergmann, S. Heinze, M. Bode, E. Y. Vedmedenko,G. Bihlmayer, S. Blügel, and R. Wiesendanger, International Conference on Magnetism (ICM 2006), Kyoto (Japan)

2006-8-4: **Magnetic Exchange Force Microscopy**
U. Kaiser, A. Schwarz, and R. Wiesendanger, International Conference on Nanoscience and Technology, Basel (Switzerland)

2006-8-4: **Thickness-Dependent Domain Structure of Ferromagnetic Dy(0001)/W(110) Films Studied by Spin-Polarized Scanning Tuneling Microscopy**
L. Berbil-Bautista, S. Krause, F. Vonau, M. Bode, and R. Wiesendanger, International Conference on Nanoscience and Technology, Basel (Switzerland)

2006-8-4: **Scanning Tunneling Spectroscopy Study on Individual Mn-Acceptors in InAs**
J. Wiebe, F. Meier, K. Hashimoto, F. Marczinowski, R. Wiesendanger, M. Morgenstern, J.M. Tang, and M. E. Flatté, International Conference on Nanoscience and Technology, Basel (Switzerland)

2006-8-4: **Real Space Flux Line Lattice Melting in Bi2Sr2CaCu2O8+delta Observed by Magnetic Force Microscopy**
A. Schwarz, M. Liebmann, U. H. Pi, and R. Wiesendanger, International Conference on Nanoscience and Technology, Basel (Switzerland)

2006-8-4: **Influence of Antiphase Boundaries in Bi2Sr2CaCu2O8 on Flux Lines studied by Low Temperature Magnetic Force Microscopy**
U. H. Pi, A. Schwarz, M. Liebmann, Z. G. Khim, D. H. Kim, and R. Wiesendanger, International Conference on Nanoscience and Technology, Basel (Switzerland)

2006-8-2: **Thermal Switching Behavior of Superparamagnetic Nanoislands: SP-STM on Fe/W(110)**
S. Krause, L. Berbil-Bautista, M. Bode, R. Wiesendanger, International Conference on Nanoscience and Technology, Basel (Switzerland)

2006-8-2: **Observation of a Novel Magnetic Structure in the Fe Monolayer on Ir(111) by SP-STM**
K. von Bergmann, S. Heinze, M. Bode, E. Y. Vedmedenko, G. Bihlmayer, S. Blügel, and R. Wiesendanger, International Conference on Nanoscience and Technology, Basel (Switzerland)

2006-8-2: **Response functions in dynamic-mode atomic force microscopy: analytic treatments for the intermediate case**
C. J. Chen, International Conference on Nanoscience and Technology, Basel (Switzerland)

2006-7-31: **STS studies of Fe monomer and multimers on InAs(110) surfaces**
T. Matsui, C. Meyer, L. Sacharow, and R. Wiesendanger, International Conference on Nanoscience and Technology, Basel (Switzerland)

2006-7-31: **Correlation Effects in Wave Function Mapping of MBE-Grown Quantum Dots**
G. Maruccio, M. Janson, A. Schramm, C. Meyer, T. Matsui, W. Hansen, R. Wiesendanger, M. Rontani, and E. Molinari, International Conference on Nanoscience and Technology, Basel (Switzerland)

2006-7-30: **Teaching Heisenberg´s concept of resonance**
C. J. Chen, International Conference on Teaching Nanoscience and Technology, Basel (Switzerland)

2006-7-26: **Imaging correlated wave functions of few-electron quantum dots: Theory and STS experiments**
M. Rontani, G. Maruccio, M. Janson, C. Meyer, T. Matsui, W. Hansen, A. Schramm, E. Molinari, and R. Wiesendanger, 28th International Conference on the Physics of Semiconductors, Vienna (Austria)

2006-7-18: **Hydrogen-altered Gd(0001) surfaces investigated by dynamic force microscopy**
R. Schmidt, A. Schwarz, and R. Wiesendanger, 9th International Conference on Noncontact Atomic Force Microscopy (NCAFM´06), Kobe (Japan)

2006-5-18: **STS Studies of Fe monomers and multimers on n-InAs(110) Surfaces**
T. Matsui, C. Meyer, L. Sacharow, and R. Wiesendanger, Advanced Scanning Probes Workshop, Castelldefels, Barcelona (Spain)

2006-5-4: **Frontiers of Nanomagnetism revealed by Spin-Polarized Scanning Tunneling Microscopy**
R. Wiesendanger, Condensed Matter Seminar, Stanford University, Standford, CA (USA)

2006-4-24: **Non-collinear magnetic Structures at the Nanoscale**
E. Y. Vedmedenko, Seminaire Magnetisme, University Paris-Sud, Paris (France)

2006-4-19: **Untersuchung von Materialien im Nanobereich mit Hilfe von Rastersensormethoden**
K. von Bergmann, Vortragsreihe: Materialcharakterisierung mit modernen Methoden der physikalischenund chemischen Analytik, Fachbereich Chemie, Universität Hamburg, Hamburg (Germany)

2006-4-5: **Nanotechnologie - Aufbruch in neue Welten**
R. Wiesendanger, Lions Club Hamburg-Harburg, Hamburg (Germany)

2006-3-31: **Thickness-dependent domain structure of ferromagnetic Dy(0001)/W(110) studied by spin-polarized STM**
L. Berbil-Bautista, S. Krause, M. Bode, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-3-31: **Novel magnetic structure in the Fe monolayer on Ir(111)**
K. von Bergmann, S. Heinze, M. Bode, E. Y. Vedmedenko, G. Bihlmayer, S. Blügel, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-3-31: **Scanning Tunneling Spectroscopy of magnetic-field-induced localization in InSb**
K. Hashimoto, F. Meier, J.Wiebe, D. Haude, M. Morgenstern, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-3-31: **Quantitative Dynamic Mode Force Spectroscopy on a Type-II Superconductor Using a Magnetic Tip: Meissner Force, Magnetostatic Tip-Vortex Interaction and Lateral Dragging Force**
A. Schwarz, U. H. Pi, M. Liebmann, Z. G. Khim, D. H. Kim, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany), 2006-3-29:, Dresden (Germany)

2006-3-31: **How the Flux Line Lattice in the Hight-Tc Superconductor Bi2Sr2CaCu2O8+delta Melts: A Magnetic Force Microscopy Study**
A. Schwarz, M. Liebmann, U. H. Pi, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-3-30: **Thermal Switching Behaviour of Superparamagnetic Nanoislands: SP-STM on Fe/W(110)**
S. Krause, L. Berbil-Bautista, M. Bode, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-3-30: **Spin-resolved STM measurements of Co nanostructures on Pt(111)**
F. Meier, K. von Bergmann, J. Wiebe,M. Bode, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-3-28: **Unoccupied Surface State on Pt(111) Revealed By Scanning Tunneling Spectroscopy**
J. Wiebe, F. Meier, K. Hashimoto, G. Bihlmayer, S. Blügel, P. Ferriani, S. Heinze, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-3-28: **Hydrogen-altered Gd(0001) surfaces investigated by dynamic force microscopy**
R. Schmidt, A. Schwarz, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-3-28: **Image states on ferromagnetic surfaces explored by tunneling spectroscopy**
A. Kubetzka, M. Bode, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-3-28: **STS study of Fe monomers and multimers on InAs(110) surfaces**
T.Matsui, C.Meyer, L.Sacharow, and R.Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-3-27: **Atomic Spin Structure of Antiferromagnetic Domain Walls**
M. Bode, E. Vedmedenko, K. von Bergmann, A. Kubetzka, P.Ferriani, S. Heinze, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-3-27: **Spin-Polarized Scanning Tunneling Spectroscopy of DislocationLines in Fe Films on W(110)**
O. Pietzsch, M. Bode, K. von Bergmann, A. Kubetzka, and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-3-27: **Scanning Tunneling Spectroscopy on single Mn-acceptors in InAs**
F. Marczinowski, J. Wiebe, F. Meier, K. Hashimoto, M. Morgenstern, R. Wiesendanger, JM. Tang, and M. E. Flatte, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-3-27: **Impact of Piezoeletricity on Shape and Order of Wavefunctions in Uncapped InAs/GaAs Quantum Dots**
A. Schliwa, T. Maltezopoulos, M. Morgenstern, R. Wiesendanger, and D. Bimberg, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-3-27: **Direct Observation of Indiviual Defects on Carbon Nanotubes by Dynamic Force Microscopy**
M. Ashino and R. Wiesendanger, 70th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2006-2-16: **Spin-polarized scanning tunneling microscopy of magnetic iron nanostructures and monolayers**
K. von Bergmann, M. Bode, A. Kubetzka, O. Pietzsch, S. Heinze, P. Ferriani, E.Y. Vedmedenko, G. Bihlmayer, S. Blügel, and R. Wiesendanger, Institute of physical and theoretical chemistry, University of Bonn, Bonn (Germany)

2006-2-15: **Spinpolarisierte Rastertunnelmikroskopie von magnetischen Nano-Strukturen**
K. von Bergmann, M. Bode, A. Kubetzka, O. Pietzsch, E.Y. Vedmedenko, P. Ferriani, S. Heinze, and R. Wiesendanger, 215. PTB-Seminar: Herstellung und Charakterisierung von magnetischen Nano-Strukturen und Teilchen, Braunschweig (Germany)

2006-2-13: **Scanning Tunneling Spectroscopy of Individual Mn Acceptors in InAs**
J. Wiebe, F. Meier, K. Hashimoto, M. Morgenstern, J.-M. Tang, M. E. Flatte, and R. Wiesendanger, II Physikalisches Institut B, Rheinisch-Westfälische Technische Hochschule Aachen, Aachen (Germany)

2006-1-26: **Local Magnetic Properties of Complex Oxides Studied by Magnetic Force Microscopy**
A. Schwarz, Seminar Yale University, New Haven (USA)

2006-1-20: **Towards Spin-Resolved Imaging of Single Magnetic Defects Using a 300mK-Scanning Tunneling Microscope**
J. Wiebe, F. Meier, K. Hashimoto, A. Wachowiak, D. Haude, T. Foster, M. Morgenstern, J.-M. Tang, M. E. Flatte, and R. Wiesendanger, Leibniz Institute for Solid State and Materials Research Dresden, Dresden (Germany)

2006-1-18: **Atomic Resolution Force Microscopy and Spectroscopy**
A. Schwarz, Seminar Yale University, New Haven (USA)

2005-12-14: **Nanotechnologie - Aufbruch in neue Welten**
R. Wiesendanger, HiTec-Seminar: Neue Materialien durch chemische Funktionalisierung und Nanostrukturierung, Hamburg (Germany)

2005-11-25: **Atomic-resolution dynamic force microscopy and spectroscopy of single-walled carbon nanotubes at low temperature**
M. Ashino, Joint Workshop on Molecules, Nanostructures, and Scanning Probe Microscopy, the 21st COE Program for Material Science and Nano Engineering, Osaka University, Osaka (Japan)

2005-11-21: **Physics of Nanomagnetism revealed by spin-polarized scanning tunneling spectroscopy**
R. Wiesendanger, CMS-Seminar, Wien (Austria)

2005-11-7: **Spin-Polarized Scanning Tunneling Spectroscopy of Magnetic Nanostructures: Co on Cu(111)**
O. Pietzsch, National Institute of Standards and Technology (NIST), Gaithersburg, MD (USA)

2005-11-2: **Imaging complex spin structures of magnetic nanostructures by spin-polarized STM**
M. Bode, Advanced Light Source, Berkeley (USA)

2005-11-2: **STM and AFM imaging with in-situ tip characterization**
C. J. Chen, O. Pietzsch, D. Haude, and R. Wiesendanger, 52nd International Symposium of the American Vacuum Society, Boston (USA)

2005-10-19: **Atomic-Resolution Three-Dimensional Force Field Spectroscopy of Single-Walled Carbon Nanotubes**
M. Ashino, VEECO user meeting, Hamburg (Germany)

2005-10-18: **Nanotechnology - Takeoff to a new world**
R. Wiesendanger, Lecture to the Science and Technology Committee of the NATO Parliamentary Assembly, Hamburg (Germany)

2005-8-17: **Direct observation of individual defects on carbon nanotubes by dynamic force microscopy**
M. Ashino and R. Wiesendanger, 8th International Conference on Noncontact Atomic Force Microscopy (NCAFM ´05), Bad Essen (Germany)

2005-8-16: **Possibility of imaging lateral profiles of tetrahedral hybrid orbitals in real space**
C. J. Chen, 8th International Conference on Noncontact Atomic Force Microscopy (NCAFM ´05) , Bad Essen (Germany)

2005-7-15: **Atomic-Resolution Dynamic Force Microscopy and Three-Dimensional Force Field Spectroscopy of Single-Walled Carbon Nanotubes**
M. Ashino, Seminar at Prof. Dr. Yukio Hasegawa group (Institute for Solid State Physics, University of Tokyo), Chiba (Japan)

2005-7-14: **Dynamic Force Microscopy and Spectroscopy of Single-Walled Carbon Nanotubes with Atomic Resolution**
M. Ashino, Seminar at Prof. Dr. Kunio Takayanagi group (Department of Physics, Tokyo Institute of Technology), Tokyo (Japan)

2005-7-8: **Oberservation of a Surface State on the Pt(111) Surface**
F.Meier, K. Hashimoto, G. Bihlmayer, S. Blügel, P. Ferriani, S. Heinze, J. Wiebe, and R. Wiesendanger, 13th International Conference on STM, Sapporo (Japan)

2005-7-7: **Atomic-Resolution Dynamic Force Microscopy and Three-Dimensional Force Field Spectroscopy of Single-Walled Carbon Nanotubes**
M. Ashino and R. Wiesendanger, 13th International Conference on STM, Sapporo (Japan)

2005-7-5: **The Spectroscopic Signature of Stacking Faults and Dislocation Lines on Co(0001)**
J. Wiebe, L. Sacharow, A. Wachowiak, S. Heinze, M. Morgenstern, G. Bihlmayer, S. Blügel, and R. Wiesendanger, 13th International Conference on STM, Sapporo (Japan)

2005-7-4: **Spin-Polarized STM Through an Adsorbate Layer: Sulfur-Covered Fe/W(110)**
S. Krause, L. Berbil-Bautista, M. Bode, and R. Wiesendanger, 13th International Conference on STM, Sapporo (Japan)

2005-7-4: **Ferromagnetic Domains in Dy(0001) Films on W(110) Studied by Means of Spin-Polarized STM**
L. Berbil-Bautista, S. Krause, M. Bode, and R. Wiesendanger, 13th International Conference on STM, Sapporo (Japan)

2005-7-4: **Magnetism of Fe on W(001) studied by spin-polarized STM**
K. von Bergmann, M. Bode, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, 13th International Conference on STM, Sapporo (Japan)

2005-7-4: **Spin-Polarized Scanning Tunneling Spectroscopy of Co Islands on Cu(111)**
O. Pietzsch, S. Heinze, A. Kubetzka, M. Bode, and R. Wiesendanger, 13th International Conference on STM, Sapporo (Japan)

2005-7-4: **Reciprocal STM and AFM: Probing Tip States with Known Samples**
C. J. Chen and R. Wiesendanger, 13th International Conference on STM, Sapporo (Japan)

2005-7-4: **Two-Dimensional Antiferromagnetism of Fe and Co Monolayers on W(001) Studied by Spin-Polarized STM**
P. Ferriani, A. Kubetzka, S. Heinze, M. Bode, G. Bihlmayer, S. Blügel, K. von Bergmann, O. Pietzsch, and R. Wiesendanger, 13th International Conference on STM, Sapporo (Japan)

2005-7-4: **Visualization of the Barkhausen Effect**
A. Schwarz, M. Liebmann, U. Kaiser, T. W. Noh, D. W. Kin, and R. Wiesendanger, 13th International Conference on STM, Sapporo (Japan)

2005-6-21: **Nichtkollineare Magnetische Ordnung in Quasikristallen**
E. Y. Vedmedenko, Seminar zur Physik der Kondensierten Materie, ITAP, MPI, Stuttgart (Germany)

2005-6-8: **Quantitative Investigation of Tip-Sample Interaction on Single-Walled Carbon Nanotubes in Attractive Force Regime**
M. Ashino, Seminar at Dr. H. Hölscher group in CeNTech (University of Muenster), Muenster (Germany)

2005-6-2: **Spin-Polarized STM: Investigating Magnetism at the Atomic Scale**
A. Kubetzka, Seminar Talk, RWTH Aachen (Germany)

2005-6-2: **Dead but highly dynamic – The Stratum Corneum is divided into three hydration zones**
T. Richter, C. Peuckert, M. Sattler, K. Koenig, I. Riemann, U. Hintze, K.-P. Wittern, R. Wiesendanger, and R. Wepf, Joint Meeting SCUR & ISP 2005, Hamburg (Germany)

2005-5-30: **Neue Einblicke in die Nano-Welt mittels Rastersondenspektroskopie**
R. Wiesendanger, Colloquium, University of Marburg (Germany)

2005-5-27: **The Mixed State of BSCCO Visualized in Real Space with Single Vortex Resolution: Solid-Liquid Phase Transition and Magnetization Reversal**
A. Schwarz, Seminar Talk, Houston University (USA)

2005-5-3: **Molecules and Magnetism - a local approach**
G. Hoffmann, CERC III - Young Chemists Workshop, Baden Baden (Germany)

2005-5-2: **Spinpolarisierte Rastertunnelmikroskopie: Abbildung magnetischer Nanostrukturen mit atomarer Auflösung**
M. Bode, Physikalische Kolloquium, Ruhr-Universität Bochum (Germany)

2005-4-14: **Multipolare Momente und Wechselwirkungen in magnetischen Nanoarrays**
E. Y. Vedmedenko, Gemeinsames Physikalisches Kolloquium des Fachbereichs Physik, Universität Duisburg, Duisburg (Germany)

2005-4-7: **Scanning Tunneling Spectroscopy on Hybrid Systems**
J. Wiebe, T. Matsui, Chr. Meyer, L. Sacharow, F. Meier, K. Hashimoto, M. Morgenstern, and R. Wiesendanger, SFB-508-Statusseminar, Haus Rissen, Hamburg (Germany)

2005-3-9: **Spinpolarisierte Rastertunnelmikroskopie auf S-bedeckten Fe-Inseln**
S. Krause, L. Berbil-Bautista, T. Hänke, M. Bode, and R. Wiesendanger, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2005-3-9: **Growth and electronic structure of ultrathin chromium films on iridium(111) investigated by scanning tunneling microscopy and spectroscopy**
F. Marczinowski, K. von Bergmann, and R. Wiesendanger, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2005-3-8: **Quantitative investigation of tip-sample interaction on single-walled carbon nanotubes in the attractive force regimes**
M. Ashino, T. Behnke, and R. Wiesendanger, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2005-3-6: **Vortex Pinning and Magnetization Reversal Observed in Real Space by Magnetic Force Microscopy**
A. Schwarz, M. Liebmann, U. H. Pi, and R. Wiesendanger, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2005-3-5: **Growth and electronic properties of thick films and pyramidal islands of Dy/W(110) studied by SP-STM**
L. Berbil-Bautista, S. Krause, T. Hänke, M. Bode, and R. Wiesendanger, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2005-3-4: **Spin-Polarization and Electron Confinement in Nanoscale Co Islands on Cu(111)**
O. Pietzsch, A. Kubetzka, S. Heinze, M. Bode, and R. Wiesendanger, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2005-3-4: **Revealing Antiferromagnetic Order of the Fe Monolayer on W(001)**
A. Kubetzka, P. Ferriani, M. Bode, S. Heinze, G. Bihlmayer, K. von Bergmann, O. Pietzsch, S. Blügel, and R. Wiesendanger, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2005-3-4: **Shape and Order of Wavefunctions in Uncapped InAs/GaAs Quantum Dots**
A. Schliwa, T. Maltezopoulus, M. Morgenstern, R. Wiesendanger, and D. Bimberg, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2005-3-4: **Nichtkollineare magnetische Ordnung in Quasikristallen**
E. Y. Vedmedenko, U. Grimm, and Roland Wiesendanger, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2005-1-18: **Exploring the Frontiers of Nanomagnetism by Spin-Polarized STM**
M. Bode, Physikalische Kolloquium des SFB569, Universität Ulm (Germany)

2004-11-24: **Iron nanostructures studied by spin-polarised scanning tunneling microscopy**
K. von Bergmann, M. Bode, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, Seminar, Surface Science Research Center, University of Liverpool, Liverpool (U.K.)

2004-11-12: **Exploring the Frontiers of Nanomagnetism by Spin-Polarized STM**
M. Bode, Colloquium of the Physics Department at Ohio University, Athens (USA)

2004-11-7: **Multipole moments and interactions between magnetic nanoparticles**
E. Y. Vedmedenko, N. Mikuszeit, H. P. Oepen, and R. Wiesendanger, 49th Annual Conference on Magnetism and Magnetic Materials MMM 2004, Jacksonville (USA)

2004-11-5: **Recent Advances in Fundamental Physics of STM and AFM**
C. J. Chen, Colloquium at Free University of Berlin, Berlin (Germany)

2004-10-22: **Frontiers of Nanomagnetism Studied by Spin-Polarized Scanning Tunneling Spectroscopy.**
R. Wiesendanger, Nanoscience Seminar, University of Cambridge, Cambridge (U.K.)

2004-10-14: **Scanning Tunneling Spectroscopy of Semiconductors: From Quantum Dots to More Complex Systems**
M. Morgenstern, Ornstein-Colloquium, Utrecht University, Utrecht (The Netherlands)

2004-10-11: **Self-Actuating Self-Measuring Optimized Cantilever for FM-AFM**
C. J. Chen, Seminar Talk, University of Hamburg , Hamburg (Germany)

2004-9-22: **A Simple and Rigid Rotational Stepper, for Scanning Probe Microscopes**
C. J. Chen, O. Pietzsch, and D. Haude, Seminar Talk, University of Hamburg , Hamburg (Germany)

2004-9-15: **Charged and non-charged surface defects on NiO(001) investigated by dynamic mode SFM**
U. Kaiser, N. Plock, A. Schwarz, and R. Wiesendanger, 7th International Conference on Noncontact Atomic Force Microscopy (NCAFM ´04), Seattle, Washington (USA)

2004-9-13: **Visualization of the Barkhausen Effect by Magnetic Force Microscopy.**
M. Liebmann, A. Schwarz, U. Kaiser, R. Wiesendanger, T. W. Noh, and D. W. Kim, 7th International Conference on non-contact Atomic Force Microscopy, Seattle (USA)

2004-9-12: **Three-dimensional force field spectroscopy of a single-walled carbon nanotube.**
M. Ashino, T. Maltezopoulos, T. Benke, A. Schwarz AFM, and R. Wiesendanger, 7th International Conference on Noncontact Atomic Force Microscopy (NCAFM ´04), Seattle, Washington (USA)

2004-9-12: **Contrast Formation on Surfaces Composed of Hexagonally Aranged Carbon Atoms**
M. Ashino, A. Schwarz, H. Hölscher, U. D. Schwarz, W. Allers, and R. Wiesendanger, 7th International Conference on Noncontact Atomic Force Microscopy (NCAFM ´04), Seattle, Washington (USA)

2004-9-5: **Anisotropic domain wall orientation for isotropic exchange interactions**
E. Y. Vedmedenko, N. Mikuszeit, H. P. Oepen, and R. Wiesendanger, Joint European Magnetic Symposium JEMS`04, Dresden (Germany)

2004-7-20: **Scanning Tunneling Spectroscopy: Interacting Electron Systems in Different Dimensions**
M. Morgenstern, Seminar National Nanotechnology Lab, University of Lecce, Lecce (Italy)

2004-6-30: **Scanning Tunneling Spectroscopy of Semiconductors in Different Dimensions**
M. Morgenstern, Kolloquium des SFB 513, Universität Konstanz, Konstanz (Germany)

2004-6-22: **Real space observation of individual Barkhausen jumps by magnetic force microscopy.**
A. Schwarz, U. Kaiser, M. Liebmann, and R. Wiesendanger, 7th International Conference on Nanostructured Materials (Nano ´04), Wiesbaden (Germany)

2004-6-17: **Imaging Magnetic Nano-structures: Spin-Polarized Scanning Tunneling Microscopy of Fe/W(110) and Co/Cu(111)**
O. Pietzsch, A. Kubetzka, M. Bode, K. von Bergmann, S. Heinze, E. Y. Vedmedenko, and R. Wiesendanger, Seminar, Max-Planck-Institut für Chemische Physik fester Stoffe, Dresden (Germany)

2004-6-14: **STM, NC-AFM, and Atom Manipulation: From Personal Art to Exact Science**
C. J. Chen, Lecture Series at the Summer School, Hamburg (Germany)

2004-5-28: **Magnetische Lesetechnik auf der Sub-Nanometerskala: Basis einer neuen magnetischen Speichertechnologie?**
R. Wiesendanger, unaxis Seminar, Balzers (Liechtenstein)

2004-5-24: **Spin-Polarized Scanning Tunneling Microscopy: Achievements and Perspectives**
M. Bode, Hong Kong University of Science Technology, Hong Kong (China)

2004-5-18: **Scanning Probe Methods: Novel Insight into the Nanoworld.**
R. Wiesendanger, Spring School on "Interdisciplinary Nanoscience: From Basic Research to Applications, Hamburg (Germany)

2004-4-30: **Nanotechnologie an der Universität Hamburg.**
R. Wiesendanger, Workshop "Nanotechnologie: Vom Studium zum eigenen Unternehmen", Hamburg (Germany)

2004-4-26: **Blueprints of Six New Experiments in SP-STM and NC-AFM**
C. J. Chen, Seminar Talk, University of Hamburg (Germany), Hamburg (Germany)

2004-4-14: **Nanotechnologie - Aufbruch in neue Welten.**
R. Wiesendanger, Rotary Club HH-Steintor, Hamburg (Germany)

2004-4-13: **Nanotechnologie - Aufbruch in neue Welten.**
R. Wiesendanger, Rotary Club HH-Steintor, Hamburg (Germany)

2004-4-8: **Scanning Tunneling Spectroscopy of Quantum Systems in Semiconductors**
M. Morgenstern, Colloquium at Fritz-Haber-Institut, Berlin (Germany)

2004-3-24: **High speed - Scanning Capacitance Spectroscopy on semiconductor microstructures**
M. von Sprekelsen, T. Maltezopoulos, and R. Wiesendanger, HERCULAS-meeting at IMEC, Leuven (Belgium)

2004-3-15: **Atomic manipulation and characterization of artificial nanostructures by a spin-polarized scanning tunneling microscope**
C. Meyer, and R. Wiesendanger, EU-ASPRINT kickoff meeting at the Studiecentrum Soeterbeeck in Ravenstein (Netherlands), Ravenstein (Netherlands)

2004-3-12: **Observation of Abrikosov lattice melting in real space by magnetic force microscopy.**
A. Schwarz, M. Liebmann, and R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2004-3-11: **Wave-function mapping of InAs quantum dots by scanning tunneling spectroscopy**
T. Maltezopoulos, A. Bolz, C. Meyer, C. Heyn, W. Hansen, M. Morgenstern, and R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2004-3-11: **Domain wall orientation in magnetic nanowires: Anisotropy of the exchange interaction**
A. Kubetzka, E. Vedmendenko, K. von Bergmann, O. Pietzsch, M. Bode, and R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2004-3-11: **Spectroscopic Signature of Stacking Faults and Dislocation Lines on Co(0001)**
J. Wiebe, L. Sacharow, A. Wachowiak, M. Morgenstern, and R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2004-3-10: **Spinpolarisierte Rastertunnelmikroskopie der Cr(001)-Oberfläche bei variabler Temperatur.**
S. Krause, T. Hänke, M. Bode, and R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

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: **An Ultra High Vacuum Scanning Tunneling Microscope system operating at 300 mK and 14 T.**
F. Meier, J. Wiebe, A. Wachowiak, D. Haude, T. Foster, M. Morgenstern, and R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2004-3-9: **Temperaturabhängige Untersuchungen des Cr(001)-Oberflächenzustandes mittels SP-STM/STS.**
T. Hänke,S. Krause, R. Ravlic, M. Bode, and R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2004-3-8: **Spin-polarized scanning tunneling spectroscopy of Co islands on Cu(111)**
O. Pietzsch, S. Heinze, A. Kubetzka, M. Bode, and R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2004-3-8: **Magnetism of Fe on W(001)**
K. von Bergmann, M. Bode, and R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2004-3-8: **Three-dimensional force fields of single wall carbon nano-tubes by scanning dynamic force spectroscopy**
M. Ashino, T. Behnke, A. Schwarz, K. A. Williams, C. Dekker, and R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2004-3-8: **Simulation von Temperatureffekten im mikromagnetischen Modell**
O. Lemcke, A. Kubetzka, and R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2004-3-8: **Spin-Polarized Scanning Tunneling Spectroscopy of Co islands on Cu(111).**
O. Pietzsch, S. Heinze, A. Kubetzka, M. Bode, and R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2004-3-8: **Vergleich der emphabinitio berechneten elektronischen Struktur verschiedener Stapelfolgen von Co(0001)**
L. Sacharow, S. Heinze, G. Bihlmayer, S. Blügel, J. Wiebe, M. Morgenstern, and R. Wiesendanger, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2004-2-13: **Nanotechnologie - Aufbruch in neue Welten.**
R. Wiesendanger, Rotary Club HH-Blankenese, Hamburg, Hamburg (Germany)

2004-2-2: **Magnetismus auf atomarer Skala: Neue Einblicke in ein alt bekanntes Phänomen.**
R. Wiesendanger, Colloquium, University of Erlangen (Germany), Erlangen (Germany)

2004-1-15: **High speed - Scanning Capacitance Spectroscopy on semiconductor microstructures.**
M. von Sprekelsen, T. Maltezopoulos, and R. Wiesendanger, HERCULAS-meeting at HMI, Berlin (Germany)

2004-1-13: **Simulation magnetische Eigenschaften aperiodische Parketierungen**
E. Y. Vedmedenko, Physik amorpher und flüssiger Legierungen, Chemnitz (Germany)

2004-1-7: **Wave Function Mapping of Quantum Dots using Scanning Tunneling Spectroscopy.**
M. Janson, T. Maltezopoulos, M. Morgenstern, and R. Wiesendanger, NANOSPECTRA network meeting, Nottingham (UK)

2003-12-16: **Magnetic Spectroscopy with a Scanning Tunneling Microscope at an Atomic Scale.**
G. Hoffmann, Seminar University of Florenz, Florenz (Italy)

2003-12-10: **Local Physical Properties of Magnetic Molecules.**
G. Hoffmann, Graduiertenkolleg "Physik der Nanostrukturen", Universität Hamburg, Hamburg (Germany)

2003-11-20: **Local Density of States of III-V Semiconductors: Two-Dimensional Electron Systems and Quantum Dots.**
M. Morgenstern, Kolloquium der Universität Linz , Linz (Austria)

2003-11-12: **Abbildung von Spinverteilung und lokaler Zustandsdichte in Elektronensystemen verschiedener Dimension.**
M. Morgenstern, Seminar, MPI für Festkörperforschung, Stuttgart (Germany)

2003-11-11: **Angeordnete Unordnung in Quasikristallen.**
E. Y. Vedmedenko, Kolloquium des Instituts für Mathematik und Informatik, Universität Greifswald, Greifswald (Germany)

2003-11-10: **Wave-function mapping of InAs quantum dots by scanning tunneling spectroscopy.**
Th. Maltezopoulos, A. Bolz, Chr. Meyer, Chr. Heyn, W. Hansen, M. Morgenstern and R. Wiesendanger, Seminar über ausgewählte Kapitel der Festkörperphysik, -technologie und Photonik, Berlin (Germany)

2003-11-4: **Imaging of Magnetic Nanoislands at the Thermal Stability Limit.**
M. Bode, O. Pietzsch, A. Kubetzka, and R. Wiesendanger, 50th Intl. Symposium of the American Vacuum Society, Baltimore (USA)

2003-10-17: **Electronic states in nanostructures studied by scanning tunneling spectroscopy.**
Th. Maltezopoulos, A. Kubetzka, A. Bolz, Chr. Meyer, Chr. Heyn, W. Hansen, M. Morgenstern, R. Wiesendanger, S. G. Lemay, C. Dekker, D. Talapin and H. Weller, Workshop of the Graduiertenkolleg "Design and Characterisation of Functional Materials", Leck (Germany)

2003-10-14: **Recent Progress in Spin-Polarized STM**
M. Bode, 12th International Conference on STM, Eindhoven (The Netherlands)

2003-10-13: **High speed - Scanning Capacitance Spectroscopy on semiconductor microstructures.**
M. v. Sprekelsen , T. Maltezopoulos, and R. Wiesendanger, HERCULAS-meeting at KTH, Kysta (Sweden)

2003-9-16: **Local density of states of the adsorbate-induced two-dimensional electron system studied at zero and strong magnetic fields.**
J. Klijn, Van der Waals-Zeeman Colloquium, Van der Waals-Zeeman Institute, University of Amsterdam, Amsterdam (The Netherlands)

2003-9-9: **Quasiperidodic magnetic Order and geometrical Frustration on the Penrose Tiling.**
E. Y. Vedmedenko, H. P. Oepen, and J. Kirschner, Aperidodic 2003, Belo Horizonte (Brazil)

2003-7-25: **Scanning dynamic force microscopy/spectroscopy of single wall carbon nanotubes including defects.**
M. Ashino, Th. Maltezopoulos, A. Schwarz, S. G. Lemay, C. Dekker, and R. Wiesendanger, 12th International Conference on STM, Eindhoven (The Netherlands)

2003-7-24: **Spin-polarized Scanning Tunneling Microscopy study of dislocations and the resulting domain structure on a Cr(001) surface**
R. Ravlic, M. Bode, T. Hänke, and R. Wiesendanger, 12th International Conference on STM, Eindhoven (The Netherlands)

2003-7-24: **Wave-function mapping of strain-induced InAs quantum dots.**
Th. Maltezopoulos, A. Bolz, Chr. Meyer, Chr. Heyn, W. Hansen, M. Morgenstern and R. Wiesendanger, 12th International Conference on STM, Eindhoven (The Netherlands)

2003-7-23: **Structural, electronic, and magnetic properties of Co islands on Cu(111)**
O. Pietzsch, A. Kubetzka, M. Bode, and R. Wiesendanger, 12th International Conference on STM, Eindhoven (The Netherlands)

2003-7-23: **A Ultra High Vacuum (UHV)-Scanning Tunneling Microscope (STM) system operating at 300 mK and 14 T.**
F. Meier, J. Wiebe, A. Wachowiak, D. Haude, M. Morgenstern, and R. Wiesendanger, 12th International Conference on STM, Eindhoven (The Netherlands)

2003-7-23: **From Quantized States to Percolation: Scanning tunneling spectroscopy of a strongy disordered two-dimensional electron system.**
J. Wiebe, Chr. Meyer, J. Klijn, M. Morgenstern, and R. Wiesendanger, 12th International Conference on STM, Eindhoven (The Netherlands)

2003-7-22: **Observation of 5f-states on U/W(110) films by means of STS.**
L. Berbil-Bautista, T. Hänke, M. Getzlaff, I. Opahle, M. Richter, and R. Wiesendanger, 12th International Conference on STM, Eindhoven (The Netherlands)

2003-7-22: **Direct Imaging of Exchange Coupled and Isolated Nanoislands: Magnetism at the Thermal Stability Limit**
M. Bode, O. Pietzsch, A. Kubetzka, and R. Wiesendanger, XVIII. International Colloquium on Magnetic Films and Surfaces (ICMFS), Madrid (Spain)

2003-7-21: **Spin-polarised Friedel oscillations on 2 ML Fe on W(110).**
K. von Bergmann, M. Bode, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, 12th International Conference on STM, Eindhoven (The Netherlands)

2003-7-21: **Correlation of the electronic and magnetic structure of Fe on Cr(001) by Spin-Polarized Scanning Tunneling Microscopy**
R. Ravlic, M. Bode, T. Hänke, and R. Wiesendanger, 12th International Conference on STM, Eindhoven (The Netherlands)

2003-7-21: **Magnetization direction dependent electronic structure variations revealed by scanning tunneling spectroscopy.**
M. Bode, S. Heinze, A. Kubetzka, O. Pietzsch, K. von Bergmann, X. Nie, G. Bihlmayer, S. Blügel, and R. Wiesendanger, 12th International Conference on STM, Eindhoven (The Netherlands)

2003-7-3: **Nanomanipulation**
G. Hoffmann, Seminar "Informatikanwendungen in Nanotechnologien", Universität Hamburg , Hamburg (Germany)

2003-6-23: **Die lokale Zustandsdichte in wechselwirkenden Elektronensystemen verschiedener Dimension.**
M. Morgenstern, Kolloquium der Universität Hamburg , Hamburg (Germany)

2003-6-13: **Novel Insight into Nano- and Atomic-Scale Magnetism.**
R. Wiesendanger, Colloquium, University of Basel , Basel (Switzerland)

2003-5-22: **Abbildung von Spinverteilung und lokaler Zustandsdichte in Elektronensystemen verschiedener Dimension.**
M. Morgenstern, Kolloquium der Universität Regensburg , Regensburg (Germany)

2003-5-14: **Vorstoß in den Mikrokosmos.**
R. Wiesendanger, Rotary Club HH-Blankenese, Hamburg (Germany)

2003-5-14: **Erste Rastertunnelmikroskopie-Messungen bei T = 300 mK.**
F. Meier, Graduiertenkolleg "Nanostrukturierte Festkörper", Hamburg (Germany)

2003-5-12: **Spinpolarisierte Rastertunnelmikroskopie: Methodik und Möglichkeiten**
M. Bode, I. Physikalisches Institut, Universität Göttingen, Göttingen (Germany)

2003-3-28: **Beobachtung der Vortex-Antivortex-Vernichtung auf BSCCO-(2212) im Realraum mittels Magnetkraftmikroskopie.**
A. Schwarz, U. H. Pi, M. Liebmann, U. Kaiser, Z. G. Khim, D. H. Kim und R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-28: **3-Dimensionale Kraftfeldspektroskopie mit atomarer Auflösung**
A. Schwarz, S. M. Langkat, H. Hölscher, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-28: **Influence of isolated oxygen adsorbates on the local electronic structure of 2 ML Fe/W (110)**
K. von Bergmann, M. Bode, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-27: **SP-STM study of 360° domain walls in an external magnetic field.**
A. Kubetzka, O. Pietzsch, M. Bode, S. Krause, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-27: **Korrelation von morphologischen und magnetischen Eigenschaften von Fe/Cr(001): Untersuchung mittels SP-STS/STM**
R. Ravlic, M. Bode, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-25: **Visualisierung der Barkhausen-Volumen einer ferromagnetischen Schicht mittels Magnetkraftmikroskopie.**
U. Kaiser, A. Schwarz, U. H. Pi, M. Liebmann, Z. G. Khim, T. W. Noh, D. W. Kim, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-25: **Realraumabbildung von Driftzuständen eines zweidimensionalen Elektronensystems.**
M. Morgenstern, J. Klijn, Chr. Meyer, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-25: **Uranium thin films: structural and electronic properties.**
M. Getzlaff, T. Hänke, L. Berbil-Bautista, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-25: **STM/STS Untersuchungen der morphologischen und elektronischen Eigenschaften von dünnen Fe-Filmen auf Cr(001)**
R. Ravlic, S. Kuck, M. Bode, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-25: **Direct Observation of Internal Spin-Structure of Magnetic Vortex Cores**
M. Bode, A. Wachowiak, J. Wiebe, O. Pietzsch, M. Morgenstern, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-24: **Hohe Spinpolarisation an der Fe/InAs(110) Grenzfläche.**
L. Sacharow, M. Morgenstern, G. Bihlmayer, S. Blügel, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-24: **Rastertunnelspektroskopie an defektinduzierten Quantenpunktzuständen in single-walled Carbon Nanotubes.**
Th. Maltezopoulos, A. Kubetzka, M. Morgenstern, S. G. Lemay, C. Dekker and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-24: **Rastertunnelspektroskopie eines stark ungeordneten zweidimensionalen Elektronensystems: Von quanisierten Zuständen zur Perkolation.**
M. Morgenstern, J. Wiebe, Chr. Meyer, J. Klijn, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-24: **Observation of 5f-states on U/W(110) films by means of STS.**
L. Berbil-Bautista, T. Hänke, M. Getzlaff, I. Opahle, M. Richter, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-2-25: **Magnetic imaging of films and clusters by spin-polarized STM.**
M. Bode, Max-Planck-Institut für Mikrostrukturforschung, Halle (Germany)

2003-2-19: **Nanoskalige Untersuchung von Quanten- und Spinphänomenen in wechselwirkenden Elektronensystemen.**
M. Morgenstern, Kolloquium der RWTH Aachen, Aachen (Germany)

2003-2-13: **Scanning capacitance microscopy and scanning tunneling spectroscopy applied to strain-induced InAs quantum dots.**
Th. Maltezopoulos, A. Bolz, Chr. Meyer, M. v. Sprekelsen, Chr. Heyn, M. Morgenstern and R. Wiesendanger, HERCULAS project meeting, Berlin (Germany)

2003-2-13: **High speed - Scanning Capacitance Spectroscopy on semiconductor microstructures.**
M. v. Sprekelsen , T. Maltezopoulos, and R. Wiesendanger, HERCULAS project meeting, Berlin (Germany)

2003-2-3: **Novel Insight into Nano- and Atomic-Scale Magnetism by Spin-Polarized Scanning Tunneling Spectroscopy.**
R. Wiesendanger, Colloquium, University of Bochum, Bochum (Germany)

2003-1-20: **Novel Insight into Nano- and Atomic-Scale Magnetism by Spin-Polarized Scanning Tunneling Spectroscopy.**
R. Wiesendanger, Colloquium, University of Leuven, Leuven (Belgium)

2003-1-17: **Rastertunnelspektroskopie an verdünnten Elektronensystemen verschiedener Dimension.**
M. Morgenstern, Kolloquium der FU Berlin, Berlin (Germany)

2003-1-10: **Scanning tunneling spectroscopy of two-dimensional electron systems.**
M. Morgenstern,, DFG-Kolloquium Quanten-Hall-Systeme, Bad Honnef (Germany)

2003-1-6: **Rastertunnelspektroskopie an verspannungsinduzierten InAs-Quantenpunkten.**
Th. Maltezopoulos, Seminar über Nahfeldgrenzflächenphysik und Nanotechnologie, Hamburg (Germany)

2002-12-10: **Nano-Scale Studies of Quantum Phenomena in Electron Systems of Different Dimension.**
M. Morgenstern, Colloquium Universiteit Nijmegen, Nijmegen (Netherlands)

2002-12-10: **Recent Progress in Magnetic Imaging by Spin-Polarized STM.**
M. Bode, A. Kubetzka, O. Pietzsch, R. Ravlic, and R. Wiesendanger, Oak Ridge National Laboratory, Seminar of the Condensed Matter Sciences Division, Tennessee (USA)

2002-12-7: **Mass-filtered iron clusters in contact with ferromagnetic surfaces.**
J. Bansmann, A. Kleibert, R. Methling, V. Senz, M. Getzlaff, and K. H. Meiwes-Broer, XMRS 2002, Dresden (Germany)

2002-12-3: **Magnetismus auf atomarer Skala: Neue Einblicke in ein altbekanntes Phänomen.**
R. Wiesendanger, Colloquium, University of Mainz, Mainz (Germany)

2002-11-15: **Domain nucleation and growth of La0.7Ca0.3MnO3-delta/LaAlO3 films studied by MFM.**
M. Liebmann, A. Schwarz, U. Kaiser, R. Wiesendanger, U. H. Pi, and Z. G. Khim, 47th Conference on Magnetism and Magnetic Materials (MMM2002), Tampa, Florida (USA)

2002-11-15: **Real Space Observation of Vortex-Antivortex Annihilation on a HTc-Superconductor by MFM.**
A. Schwarz, U. H. Pi, M. Liebmann, U. Kaiser, D. H. Kim, Z. G. Khim, and R. Wiesendanger, 47th Conference on Magnetism and Magnetic Materials (MMM2002), Tampa, Florida (USA)

2002-11-7: **Spin-Orbit Effects on Fe/W(110) Revealed by Scanning Tunneling Spectroscopy.**
M. Bode, S. Heinze, A. Kubetzka, O. Pietzsch, X. Nie, G. Bihlmayer, S. Blügel, and R. Wiesendanger, 49th Intl. Symposium of the American Vacuum Society, Denver (USA)

2002-10-21: **Spinpolarasierte Rastertunnelspektroskopie einer magnetischen Vortexstruktur.**
M. Morgenstern, Seminar der AG Mertens, University of Bayreuth, Bayreuth (Germany)

2002-10-17: **Rastertunnelspektroskopie an niederdimensionalen Elektronensystemen bei bekannten Potentiallandschaft.**
J. Klijn, Chr. Meyer, M. Morgenstern, R. Wiesendanger, GrK Workshop "Spektroskopie an lokalisierten atomaren Systemen", Lüneburg (Germany)

2002-10-11: **Scanning Tunneling Spectroscopy Applied to Nanostructures.**
Th. Maltezopoulos, Workshop of the Graduiertenkolleg "Design and Characterisation of Functional Materials", Wandlitz (Germany)

2002-10-8: **Nano-Scale Study of a Ferromagnetic Vortex Structure.**
A. Wachowiak, J. Wiebe, M. Morgenstern, M. Bode, and R. Wiesendanger, SFB-Workshop on "Quantum Materials", SFB-508, Haus Rissen, Hamburg (Germany)

2002-10-2: **High speed-Scanning Capacitance Spectroscopy on semiconductor microstructures.**
M. v. Sprekelsen, Th. Maltezopoulos, J. Isenbart, M. Langer, and R. Wiesendanger, HERCULAS-meeting at STMicroelectronics , Catania (Italy)

2002-9-25: **Scanning tunneling spectroscopy on low dimensional electron systems.**
Chr. Meyer, J. Klijn, M. Morgenstern, and R. Wiesendanger, GrK Workshop Nanostrukturierter Festkörper, Wismar (Germany)

2002-8-14: **Determination of the Three Dimensional Force Field Between an Iron Coated Tip and NiO(001) with Atomic Resolution.**
S. M. Langkat, A. Schwarz, H. Hölscher, and R. Wiesendanger, NC-AFM 2002, Montreal (Canada)

2002-8-12: **Direct Observation of Vortex-Antivortex Annihilation.**
A. Schwarz, U. H. Pi, M. Liebmann, U. Kaiser, Z. G. Khim, and R. Wiesendanger, NC-AFM 2002, Montreal (Canada)

2002-8-1: **Comparison of the local density of states in dilute two-dimensional and three-dimensional electron systems.**
M. Morgenstern, Int. Conf. of the Physics of Semiconductors, Edinburgh (U.K.)

2002-7-30: **Hochgeschwindigkeits-Rasterkapazitätsspektroskopie an Halbleitermikrostrukturen.**
M. v. Sprekelsen, M. Langer, J. Isenbart, and R. Wiesendanger, BMBF-Projekt-Abschlusstreffen, Düsseldorf (Germany)

2002-7-11: **Probing the Local Density of States of Dilute Electron Systems in different Dimensions.**
M. Morgenstern, Festkörperkolloquium, RWTH Aachen, Aachen (Germany)

2002-7-4: **Probing the local density of states of electron system in different dimensions.**
M. Morgenstern, Kolloquium der Universität Hamburg, Hamburg (Germany)

2002-7-3: **Aufbau eines temperaturvariablen MOKE-Systems für die Charakterisierung ultradünner, magnetischer Schichten im UHV.**
F. Meier, Graduiertenkolleg "Nanostrukturierte Festkörper", Hamburg (Germany)

2002-6-28: **The Many Faces of Magnetism in Ultrathin Fe/W(110) Films**
O. Pietzsch, A. Kubetzka, K. von Bergmann, M. Bode, and R. Wiesendanger, 21st European Conference on Surface Science and 7th International Conference on Nanometer-Scale Science and Technology, Malmö (Sweden)

2002-6-27: **Nano-Scale Studies of Quantum Phenomena in Low-Dimensional Electron Systems.**
R. Wiesendanger, ECOSS-21/NANO-7, Malmö (Sweden)

2002-6-27: **Frozen hydrated bloc-face investigation of tissue for Cryo SEM.**
T. Richter, S. S. Biel, M. Sattler, R. Wiesendanger, K. P. Wittern, and R. Wepf, Joint Microscopy Meeting, Lille (France)

2002-6-25: **High speed-Scanning Capacitance Spectroscopy on semiconductor microstructures.**
M. v. Sprekelsen, J. Isenbart, and R. Wiesendanger, ECOSS-21/NANO-7, Malmö (Sweden)

2002-6-24: **Uranium thin films: structural and electronic properties.**
M. Getzlaff, T. Hänke, L. J. Berbil-Bautista, and R. Wiesendanger, ECOSS-21/NANO-7, Malmö (Sweden)

2002-6-20: **Hochgeschwindigkeits-Rasterkapazitätsspektroskopie an Halbleitermikrostrukturen.**
M. v. Sprekelsen, J. Isenbart, and R. Wiesendanger, Jahrestagung der Deutschen Vakuum Gesellschaft, Magdeburg (Germany)

2002-6-11: **Frontiers of nanomagnetism explored by spin-polarized STM.**
M. Bode, Institut für Theoretische und Angewandte Physik, University of Stuttgart, Stuttgart (Germany)

2002-6-3: **Spinpolarisierte Tunnelmikroskopie: magnetische Abbildung mit atomarer Auflösung.**
M. Bode, O. Pietzsch, A. Kubetzka, A. Wachowiak, J. Wiebe, and R. Wiesendanger, Physikalisches Kolloquium, Universität Regensburg, Regensburg (Germany)

2002-5-24: **Nano-Scale Studies of Low-Dimensional Electron Systems by Low-Temperature Scanning Tunneling Spectroscopy.**
R. Wiesendanger, Seminar, University of Lund, Lund (Sweden)

2002-5-17: **Niederdimensionale Systeme: Korrelation struktureller, elektronischer und magnetischer Eigenschaften.**
M. Getzlaff, Kolloquium des Hahn-Meitner-Instituts, Berlin (Germany)

2002-5-14: **Nanotechnologie - Aufbruch in neue Welten.**
R. Wiesendanger, Hamburger Tag der Physik für Lehrer, University of Hamburg, Hamburg (Germany)

2002-4-9: **Nano-Biotechnologie: Innovationen an der Schnittstelle der Disziplinen.**
R. Wiesendanger, Handelskammer-Forum "Wirtschaft trifft Wissenschaft", University of Hamburg, Hamburg (Germany)

2002-3-15: **Dissipative Wechselwirkung auf Atomarer Skala im Dynamischen Modus der Rasterkraftmikroskopie.**
A. Schwarz, S. M. Langkat, and R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-15: **Rastertunnelmikroskopie und -spektroskopie an Co-Inseln auf der Cu(111) Oberfläche**
O. Pietzsch, A. Kubetzka, M. Bode, and R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-14: **Magnetische Domänenstruktur von La07Sr03MnO03-Schichten**
M. Liebmann, A. Schwarz, U. H. Pi, Z. G. Khim, and R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-14: **Domänennukleation in La0.7Ca0.3MnO0.3-Schichten.**
A. Schwarz, M. Liebmann, U. Kaiser, U. H. Pi, Z. G. Khim, and R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-14: **Direkte Beobachtung des Schaltverhaltens superparamagnetischer Fe-Cluster auf Mo(110).**
M. Bode, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-14: **Selbstanordnung von Fe-Nanopartikeln auf vorstrukturierten Unterlagen.**
M. Getzlaff, A. Kubetzka, O. Pietzsch, M. Bode, and R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-13: **Temperaturabhängigkeit der magnetischen Struktur von 2 ML Fe auf W(110).**
K. von Bergmann, M. Bode, M. Getzlaff, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-13: **SP-STS/STM Untersuchung von Sub-Monolagen Fe-Filmen auf Cr(001)**
R. Ravlic, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-11: **Die lokale Zustandsdichte eines eindimensionalen Elektronensystems unterhalb einer geladenen Stufenkante.**
Chr. Meyer, J. Klijn, M. Morgenstern, and R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-11: **Hochgeschwindigkeit-Rasterkapazitätsspektroskopie an Halbleitermikrostrukturen.**
M. v. Sprekelsen, J. Isenbart, R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-11: **Spin-polarisierte Rastertunnelmikroskopie mit antiferromagetischen Sondenspitzen.**
M. Bode, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-3-11: **Direkte Beobachtung von Spin-Bahn--Kopplung mittels Rastertunnelspektroskopie.**
M. Bode, S. Heinze, A. Kubetzka, O. Pietzsch, X. Nie, G. Bihlmayer, S. Blügel, and R. Wiesendanger, 66th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2002-2-28: **Höchstauflösende Abbildung magnetischer Domänen mittels spin-polarisierter Rastertunnelmikroskopie.**
M. Bode, Institut für Festkörper- und Werkstoffforschung (IFW), Dresden (Germany)

2002-2-4: **Nano-scale studies of quantum phenomena by scanning probe spectroscopy.**
R. Wiesendanger, cNM Seminar, TU Eindhoven, Eindhoven (The Netherlands)

2002-2-1: **Imaging magnetic nanostructures by spin-polarized scanning tunneling microscopy**
M. Bode, O. Pietzsch, A. Kubetzka, R. Ravlic, M. Kleiber, S. Heinze, X. Nie, S. Blügel, and R. Wiesendanger, Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin (Germany)

2002-1-29: **Quantenphänomene auf der Nanometerskala: Neue Einblicke mittels Rastertunnelspektroskopie.**
R. Wiesendanger, Colloquium, University of Kiel, Kiel (Germany)

2002-1-23: **Imaging magnetic nanostructures by spin-polarized scanning tunneling microscopy.**
M. Bode, O. Pietzsch, A. Kubetzka, R. Ravlic, M. Kleiber, S. Heinze, X. Nie, S. Blügel, and R. Wiesendanger, Cavendish Laboratory, Cambridge (U.K.)

2002-1-21: **Imaging magnetic nanostructures by spin-polarized scanning tunneling microscopy.**
M. Bode, O. Pietzsch, A. Kubetzka, S. Heinze, X. Nie, G. Bihlmayer, S. Blügel, and R. Wiesendanger, University College London, London (U.K.)

2002-1-17: **Messung der lokalen Zustandsdichte verdünnter Elektronensysteme in verschiedenen Dimensionen.**
M. Morgenstern, Ringvorlesung des Instituts für Angewandte Physik, Hamburg (Germany)

2001-12-12: **Novel insight into nano-scale magnetism by spin-polarized STM**
R. Wiesendanger, Seminar TU Delft, Delft (The Netherlands)

2001-12-8: **Angle resolved ultraviolet photoelectron spectroscopy at thin cobalt films on W(110): experimental results and analysis of the electronic structure**
J. Bansmann, K.H. Meiwes-Broer, M. Getzlaff, and J. Braun, XRMS 2001, Halle (Germany)

2001-12-5: **Probing the Local Density of States of Dilute Electron Systems in Different Dimensions**
M. Morgenstern, Seminar at the University of Linz, Linz (Austria)

2001-12-4: **Probing the Local Density of States of Dilute Electron Systems in Different Dimensions**
M. Morgenstern, Seminar at the University of Leoben, Leoben (Austria)

2001-11-30: **Nano-scale studies of quantum phenomena by scanning probe spectroscopy**
R. Wiesendanger, Seminar at the Technical University of Hannover, Hannover (Germany)

2001-11-17: **Spin-resolved spectro-microscopy at the atomic level**
R. Wiesendanger, Seminar at the University of Tokyo, (Japan)

2001-11-14: **H-dependent domain structure of La0.7Sr0.3MnO3 epitaxial thin films studied by low-temperature MFM**
M. Liebmann, A. Schwarz, U.H. Pi, D.W. Kim, T.W. Noh, Z.G. Khim, and R. Wiesendanger, Conference on Magnetism and Magnetic Materials, Seattle (USA)

2001-11-9: **Probing the Local Density of States of Dilute Electron Systems in Different Dimensions**
M. Morgenstern, Seminar at the University of California, Santa Barbara (USA)

2001-11-7: **Imaging Magnetic Nanostructures by Spin-Polarized STM**
M. Bode, O. Pietzsch, A. Kubetzka, and R. Wiesendanger, Colloquia Series at the Georgia Institute of Technologie, Atlanta (USA)

2001-11-5: **Probing the Local Density of States of Dilute Electron Systems in Different Dimensions**
M. Morgenstern, Seminar, University of California, Berkeley (USA)

2001-11-5: **Imaging magnetic structures by spin-polarized STM**
M. Bode, O. Pietzsch, A. Kubetzka, and R. Wiesendanger, Arizona State University, Tempe (USA)

2001-11-1: **Two Dimensional Electronic Properties of a Disordered Three Dimensional Conductor in the Extreme Quantum Limit**
M. Morgenstern, D. Haude, I. Meinel, and R. Wiesendanger, AVS, 48th International Symposium of the American Vacuum Society, San Francisco (USA)

2001-11-1: **Probing a One Dimensional Conductor Below a Charged Step Edge**
M. Morgenstern, Chr. Meyer, J. Klijn, and R. Wiesendanger, AVS, 48th International Symposium of the American Vacuum Society, San Francisco (USA)

2001-10-31: **Progress in Dynamic Force Microscopy: From High-Resolution Imaging of Insulators to the Measurement of Dissipative Interaction Forces**
U.D. Schwarz, H. Hölscher, W. Allers, S. Langkat, B. Gotsmann, H. Fuchs, and R. Wiesendanger, AVS, 48th International Symposium of the American Vacuum Society, San Francisco (USA)

2001-10-30: **Scanning Tunneling Spectroscopy on Adsorbate Induced Two Dimensional Electron Systems on InAs(110)**
M. Morgenstern, J. Klijn, Chr. Meyer, D. Haude, and R. Wiesendanger, AVS, 48th International Symposium of the American Vacuum Society, San Francisco (USA)

2001-10-19: **Scanning Tunneling Spectroscopy on Semiconductor Hybrid Systems**
J. Wiebe, J. Klijn, A.Wachowiak, M. Morgenstern, D. Haude, Chr. Meyer, F. Meier, and R. Wiesendanger, Status-Seminar SFB 508 "Quantenmaterialien", Hamburg (Germany)

2001-10-18: **Local density of states of a one dimensional conductor conned below a charged step edge**
Chr. Meyer, J. Klijn, M. Morgenstern, and R. Wiesendanger, Status-Seminar SFB 508 "Quantenmaterialien", Hamburg (Germany)

2001-10-17: **Scanning tunneling spectroscopy on adsorbate induced two-dimensional systems**
J. Klijn, Ch. Meyer, L. Plucinski, D. Haude, M. Morgenstern, M. Getzlaff, R. Adelung, L. Kipp, M. Skibowski R.L. Johnson, and R. Wiesendanger, Workshop "Spectroscopy on localized atomic systems" , Weißenhäuser Strand (Germany)

2001-10-15: **Surface-Magnetism**
M. Getzlaff, Workshop "Functionalized Materials" , Weißenhäuser Strand (Germany)

2001-10-14: **Spinpolarisierte Rasterunnelmikroskopie und -spektroskopie**
K. v. Bergmann, Workshop "Functionalized Materials", Weißenhäuser Strand (Germany)

2001-10-9: **Recent progress in spin-polarized STM**
M. Bode, O. Pietzsch, A. Kubetzka, and R. Wiesendanger, Joint Research Center for Atom Technology, Tsukuba (Japan)

2001-9-25: **Rastertunnelspektroskopie: Ein Werkzeug für die Nanowissenschaft**
M. Morgenstern, 2nd Symposium on Interdisciplinary Nanoscience, Hamburg (Germany)

2001-9-21: **Scanning tunneling spectroscopy on an adsorbate induced two-dimensional electron system in zero and high magnetic field**
J. Klijn, Ch. Meyer, D. Haude, M. Morgenstern, M. Getzlaff, R. Adelung, L. Kipp, M. Skibowski, and R. Wiesendanger, 3rd Workshop on Quantum Hall Systems, Gedern (Germany)

2001-9-19: **Characterization of functional materials by electron spectroscopic methods**
M. Getzlaff, Seminar at the Department of Chemistry, University of Hamburg, Hamburg (Germany)

2001-9-4: **Selfassembled Fe nano-particles on Cu templates**
M. Getzlaff, A. Kubetzka, O. Pietzsch, M. Bode, and R. Wiesendanger, European Conference on Surface Science ECOSS-20, Krakow (Poland)

2001-9-4: **Dynamic Mode Magnetic Force Microscopy at Low Temperatures on Perovskite Manganites**
A. Schwarz, M. Liebmann, U.H. Pi, D.W. Kim, T.W. Noh, Z.G. Khim, and R. Wiesendanger, 4th International Conference on Noncontact Atomic Force Microscopy, Kyoto (Japan)

2001-7-31: **Local density of states of a one dimensional conductor confined below a charged step edge**
Chr. Meyer, J. Klijn, M. Morgenstern, and R. Wiesendanger, 14th International Conference on the Electronic Properties of Two-dimensional Systems, Prague (Czech Republic)

2001-7-19: **Analysis and Simulation of Dynamic Force Microscopy and Spectroscopy**
H. Hölscher, B. Gotsmann, W. Allers, U.D. Schwarz, H. Fuchs, and R. Wiesendanger, 11th International Conference on STM, Vancouver (Canada)

2001-7-17: **Magnetic properties of Fe, Gd, and Cr thin film probe tips**
M. Bode, A. Kubetzka, O. Pietzsch, S. Heinze, and R. Wiesendanger, 11th International Conference on STM, Vancouver (Canada)

2001-7-17: **Resolving Complex Atomic-Scale Spin-Structures by Spin-Polarized STM**
S. Heinze, D.Wortmann, Ph. Kurz, G. Bihlmayer, and S. Blügel, 11th International Conference on STM, Vancouver (Canada)

2001-7-17: **Magnetic thin lm alloy formation: GdFe2 and GdFe3**
M. Getzlaff, R.Pascal, and R. Wiesendanger, 11th International Conference on STM, Vancouver (Canada)

2001-7-17: **Spin Polarized Scanning Tunneling Spectroscopy in an Applied Magnetic Field: Hysteresis at the Nano-Scale**
O. Pietzsch, A. Kubetzka, M. Bode, and R. Wiesendanger, 11th International Conference on STM, Vancouver (Canada)

2001-7-16: **Experimental evidence of edge-like states in three-dimensional electron systems observed with scanning tunneling microscopy**
D. Haude, 11th International Conference on STM, Vancouver (Canada)

2001-7-11: **Adsorbate auf dünnen Seltenerdschichten: strukturelle und elektronische Modikationen**
M. Getzlaff, Seminar, University of Rostock, Rostock (Germany)

2001-6-24: **Imaging antiferromagnetic surface spin-structures by spin-polarized STM**
M. Bode, O. Pietzsch, A. Kubetzka, M. Kleiber, R. Ravlic, and R. Wiesendanger, 4th International Symposium on Metallic Multilayers, Aachen (Germany)

2001-6-19: **Spinaufgelöste Spektroskopie auf atomarer Skala**
R. Wiesendanger, SFB-Seminar, University of Saarbrücken, Saarbrücken (Germany)

2001-6-13: **Niederdimensionale Systeme: Korrelation struktureller, elektronischer und magnetischer Eigenschaften auf der Nanometerskala**
M. Getzlaff, Seminar, University of Göttingen, Göttingen (Germany)

2001-6-11: **Oberflächen-Magnetismus: Korrelation struktureller, elektronischer und magnetischer Eigenschaften**
M. Getzlaff, Kolloquium, University of Kaiserslautern, Kaiserslautern (Germany)

2001-6-6: **Scanning Tunneling Spectroscopy on InAs(110): Low Density Electron Systems in Different Dimensions**
M. Morgenstern, SFB-Workshop "Quantenmaterialien", Hamburg (Germany)

2001-5-10: **Von der Mikro- zur Nanoelektronik: Beiträge der Rastersondenspektroskopie**
R. Wiesendanger, Kolloquium, University of Duisburg, Duisburg (Germany)

2001-5-2: **Imaging of surface magnetic structures by spin-polarized STM**
M. Bode, S. Heinze, O. Pietzsch, A. Kubetzka, R. Ravlic, M. Kleiber, X. Nie, S. Blügel, and R. Wiesendanger, Ben-Gurion-University of the Negev, Beer Sheva (Israel)

2001-4-22: **Correlation of structural, electronic and magnetic properties by STM/STS: rare-earth metals**
M. Bode, R.Pascal, M. Getzlaff, and R. Wiesendanger, Ben-Gurion-University of the Negev, Beer Sheva (Israel)

2001-4-20: **Quantenphänomene auf der Nanometerskala: Neue Einblicke mittels Rastertunnelspektroskopie**
R. Wiesendanger, Kolloquium, University of Bonn, Bonn (Germany)

2001-3-30: **Temperatur- und dickenabhängige Domänenstruktur dünner Manganperowskitschichten**
A. Schwarz, M. Liebmann, U. H. Pi, Z. G. Khim, and R. Wiesendanger, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

2001-3-29: **Ummagnetisierung von Fe-Nanodrähten beobachtet mit dem Rastertunnelmikroskop**
O. Pietzsch, A. Kubetzka, M. Bode, and R. Wiesendanger, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

2001-3-29: **Experimentelle Evidenz für intra-atomaren nicht-kollinearen Magnetismus an STM Sondenspitzen**
M. Bode, O. Pietzsch, A. Kubetzka, and R. Wiesendanger, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

2001-3-29: **Messung konservativer und dissipativer Spitzen-Proben-Kräfte in der dynamischen Rasterkraftmikroskopie mittels Frequenzmodulationstechnik**
H. Hölscher, B. Gotsmann, U. D. Schwarz, W. Allers, H. Fuchs, and R. Wiesendanger, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

2001-3-29: **Hochgeschwindigkeit-Rasterkapazitätsspektroskopie an Halbleitermikrostrukturen - Apparativer Aufbau und Messungen**
M. v. Sprekelsen, J. Isenbart, and R. Wiesendanger, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

2001-3-29: **Untersuchung der magnetischen Domänenstruktur von 2 ML Fe/W(110) mittels SP-STM/STS**
A. Kubetzka, O. Pietzsch, M. Bode, and R. Wiesendanger, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

2001-3-29: **Untersuchung der Cr(001)-Oberfläche mittels SP-STS/STM**
R. Ravlic, M. Kleiber, M. Bode, and R. Wiesendanger, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

2001-3-29: **Ab-initio Rechnungen zur elektronischen Struktur von magnetischen STM-Spitzen**
S. Heinze, D.Wortmann, and S. Blügel, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

2001-3-29: **Nichtkontakt-Rasterkraftmikroskopie auf Übergangsmetalloxiden**
S. Langkat, W. Allers, and R. Wiesendanger, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

2001-3-29: **Hochgeschwindigkeits-Rasterkapazitätsspektroskopie an Halbleitermikrostrukturen - Grundprinzip und Simulationen**
J. Isenbart, A. Born, and R. Wiesendanger, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

2001-3-27: **Spin-polarisierte Rastertunnelmikroskopie**
M. Bode, O. Pietzsch, A. Kubetzka, S. Heinze, M. Kleiber, R. Ravlic, X. Nie, S. Blügel, and R. Wiesendanger, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

2001-3-27: **Rastertunnelspektroskopie an InAs(110): Ein Quanten-Hall-Eekt in drei Dimensionen?**
M. Morgenstern, D. Haude, I. Meinel, Chr. Meyer, and R. Wiesendanger, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

2001-3-26: **UHV-Rastertunnelspektroskopie am adsorbatinduzierten 2DES auf InAs(110)**
J. Klijn, Chr. Meyer, D. Haude, M. , M. Morgenstern, R. Adelung, L. Kipp, M. Skibowski, and R. Wiesendanger, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

2001-3-26: **Photoelektronenspektroskopie am adsorbatinduzierten zweidimensionalen Elektronengas: Grenzen des Oberflächendotierungsmodells**
M. Morgenstern, M. Getzlaff, J. Klijn, Chr. Meyer, R. Wiesendanger, R. Adelung, K. Roßnagel, L. Kipp, M. Skibowski, L. Plucincks, R. Brochier, and R. L. Johnson, 65th Spring Conference, Deutsche Physikalische Gesellschaft, Hamburg (Germany)

2001-2-8: **Rastertunnelspektroskopie an Elektronensystemen in verschiedenen Dimensionen**
M. Morgenstern, Kolloquium, University of Kiel, Kiel (Germany)

2001-2-6: **Novel isight into the nanoworld**
R. Wiesendanger, Colloquium, University of Amsterdam, Amsterdam (The Netherlands)

2001-2-1: **Quantenphänomene auf der Nanometerskala: Neue Einblicke mittels Rastertunnelspektroskopie**
R. Wiesendanger, Kolloqium, University of Düsseldorf, Düsseldorf (Germany)

2001-1-31: **Imaging of magnetic nanostructures by spin-polarized STM**
M. Bode, S. Heinze, O. Pietzsch, A. Kubetzka, R. Ravlic, M. Kleiber, X. Nie, S. Blügel, and R. Wiesendanger, Max-Planck-Institut für Festkörperforschung, Stuttgart (Germany)

2001-1-22: **Neue Einblicke in den Nanokosmos**
R. Wiesendanger, Kolloquium, München (Germany)

2001-1-22: **Scanning Tunneling Spectroscopy on InAs(110): A possible Quantum Hall Effect in the Extreme Quantum Limit of a 3DES**
M. Morgenstern, D. Haude, Chr. Meyer, J. Klijn, I. Meinel, and R. Wiesendanger, Workshop DFG-Schwerpunkt "Quantenhalleffekt", Bad Honnef (Germany)

2001-1-10: **Oberflächenmagnetismus: Korrelation struktureller und elektronischer Eigenschaften**
M. Getzlaff, Physikalisches Kolloquium der Universität Dortmund, Dortmund (Germany)

2001-1-8: **Atome und Moleküle auf Oberflächen: Korrelation struktureller und elektronischer Eigenschaften**
M. Getzlaff, Physikalisches Kolloquium der Universität Osnabrück, Osnabrück (Germany)

2001-1-5: **Visualization of Magnetic Hysteresis in Fe-Nanowires by Spin-Polarized Scanning Tunneling Spectroscopy**
M. Bode, O. Pietzsch, A. Kubetzka, and R. Wiesendanger, 248. WE-Heraeus-Seminar on Spin Dynamics, Bad Honnef (Germany)

2000-12-19: **Atomic-Resolution Imaging of Surface Spin-Structures by Spin-Polarized Scanning Tunneling Microscopy**
M. Bode, S. Heinze, O. Pietzsch, A. Kubetzka, R. Ravlic, M. Kleiber, X. Nie, S. Blügel, and R. Wiesendanger, Condensed Matter & Materials Physics Conference 2000, Bristol (Great Britain)

2000-12-15: **Adsorbate auf Oberflächen: Korrelation struktureller und elektronischer Eigenschaften**
M. Getzlaff, Physikalisches Kolloquium, University of Halle-Wittenberg, Wittenberg (Germany)

2000-12-15: **Dynamische Rasterkraftmikroskopie: Eine neue Methode zur hochauflösenden Untersuchung von Festkörperoberflächen**
U. D. Schwarz, Physikalisches Kolloquium, University of Halle-Wittenberg, Halle (Germany)

2000-12-12: **An Ultra High Vacuum-300mK-Scanning Tunneling Microscope for Local Measurements of the Density of States on InAs(110)**
J. Wiebe, M. Morgenstern, A. Wachowiak, D. Haude, and R. Wiesendanger, 1st International Workshop on Nano-scale Spectroscopy and its Applications to Semiconductor Research, Trieste (Italy)

2000-12-5: **Neue Einblicke in den Magnetismus auf mikroskopischer Skala**
M. Getzlaff, Ringvorlesung "2000 - Das Jahr der Physik", Hamburg (Germany)

2000-11-16: **Guidelines for Two-Dimensional Dopant Profiling using SCM**
A. Born and R. Wiesendanger, 26 th International Symposium for Testing and Failure Analysis, Washington (USA)

2000-11-14: **Spinpolarisierte Rastertunnelmikroskopie: Visualisierung magnetischer Domänen mit atomarer Auflösung**
M. Bode, S. Heinze, O. Pietzsch, A. Kubetzka, R. Ravlic, M. Kleiber, X. Nie, S. Blügel, and R. Wiesendanger, Kolloquium zur Physik der kondensierten Materie, Ulm (Germany)

2000-11-13: **Interaction between single Fe adsorbates and InAs**
J. Klijn, Graduiertenkolleg "Felder und lokalisierte Atome - Atome und lokalisierte Felder. Spectroscopy an lokalisierten atomaren Systemen", Schwerin (Germany)

2000-11-10: **Oberflächen-Magnetismus und Adsorbate - Korrelation struktureller, elektronischer und magnetischer Eigenschaften**
M. Getzlaff, Physikalisches Kolloquium, University of Düsseldorf, Düsseldorf (Germany)

2000-10-18: **Spinpolarisierte Rastertunnelmikroskopie: Visualisierung magnetischer Domänen mit atomarer Auflösung**
M. Bode, S. Heinze, O. Pietzsch, A. Kubetzka, R, Ravlic, M. Kleiber, X. Nie, S. Blügel, and R. Wiesendanger, Allgemeines Physikalisches Kolloquium, University of Münster, Münster (Germany)

2000-10-17: **Planning and Assembly of a 300mK-UHV-Scanning-Tunneling-Microscope with 14T-magnet**
A. Wachowiak, J. Wiebe, 4th Workshop of the Graduiertenkolleg "Physik nanostrukturierter Festkörper", Schwerin (Germany)

2000-10-17: **Scanning tunneling spectroscopy of the Fe-induced two dimentional electron gas on InAs(110)**
Christian Meyer, 4th Workshop of the Graduiertenkolleg "Physik nanostrukturierter Festkörper", Schwerin (Germany)

2000-10-16: **From Scanning Capacitance Microscopy to high speed Scanning Capacitance Spectroscopy**
J. Isenbart, A. Born, and R. Wiesendanger, 4th Workshop of the Graduiertenkolleg "Physik nanostrukturierter Festkörper", Schwerin (Germany)

2000-10-3: **Direct Visualization of Magneitc Nanowires by Spin Polarized Scanning Tunneling Spectroscopy**
O. Pietzsch, A. Kubetzka, M. Bode, and R. Wiesendanger, 47th International Symposium, American Vacuum Society, and NANO 6, Boston (USA)

2000-9-19: **Novel Insight into the Nanoworld**
R. Wiesendanger, Kolloquium, University of Twente, Enschede (NL)

2000-9-8: **Scanning tunneling spectroscopy: three, two and zero dimensional electron systems**
M. Morgenstern, Colloquium, Delft (The Netherlands)

2000-8-24: **Resolving Complex Atomic-Scale Spin-Structures by Spin-Polarized STM**
S. Heinze, Ph. Kurz, G. Bihlmayer, D. Wortmann, X. Nie, S. Blügel, M. Bode, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, Second International Conference of the Psi-k Network, August 2000, Schwäbisch-Gmünd (Germany)

2000-8-21: **Magnetic field induced localization in three dimensions**
M. Morgenstern, 25th International Conference on the Physics of Semiconductors, Osaka (Japan)

2000-8-10: **Imaging of surface spin-structures: pushing the limits**
M. Bode, S. Heinze, O. Pietzsch, A. Kubetzka, R. Ravlic, M. Kleiber, X.Nie, S.Blügel, and R.Wiesendanger, Sandia Nat. Lab., Sandia (USA)

2000-7-22: **The physical priniciples of scanning capacitance microscopy**
A. Born and R. Wiesendanger, 2nd International Conference on Scanning Probe Spectroscopy, Hamburg (Germany)

2000-7-17: **Ultrathin FE-Films on Cr(001) investigated by MFM under UHV Conditions**
M. Kleiber, M. Bode, R. Ravlic, and R. Wiesendanger, 3rd International Conference on Non-Contact Atomic Force Microscopy, Hamburg (Germany)

2000-7-16: **On the measurement of the energy dissipation in dynamic force spectroscopy**
H. Hölscher, B. Gotsmann, A. Schwarz, W. Allers, U. D. Schwarz, H. Fuchs, and R. Wiesendanger, Third International Workshop on Non-Contact Atomic Force Microscopy, Hamburg (Germany)

2000-7-11: **Real Space Imaging of Two-Dimensional Antiferromagnetism on the Atomic Scale**
S. Heinze, M. Bode, A. Kubetzka, O. Pietzsch, X. Nie, D. Wortmann, Ph. Kurz, S. Blügel, and R. Wiesendanger, 10th International Conference on Solid Films and Surfaces, Princeton, N.J. (USA)

2000-7-10: **Neue Einblicke in den Nanokosmos**
R. Wiesendanger, Kolloquium, University of Bielefeld, Bielefeld (Germany)

2000-7-7: **Interpretation of STM Experiments on Transition-Metal Structures by ab initio Calculations**
S.Heinze, IBM Research Division, T. J. Watson Research Center, Yorktown Heights, N.Y. (USA)

2000-7-5: **Planung und Aufbau einer 300mK-UHV-Rastertunnelmikroskopie-Anlage mit 14T-Magnet**
J. Wiebe, Ringvorlesung: Graduiertenkolleg "Physik nanostrukturierter Festkörper" (Physik der Mikrostrukturen), Hamburg (Germany)

2000-7-5: **Neue Anwendungen der Rasterkraftmikroskopie: Von den atomistischen Ursachen der Reibung zur hochauflösenden Mikroskopie/Spektroskopie bei tiefen Temperaturen**
U. D. Schwarz, Johannes-Gutenberg-Universität, Mainz (Germany)

2000-7-3: **Imaging of surface spin-structures: pushing the limits**
M.Bode, S.Heinze, O.Pietzsch, A.Kubetzka, R.Ravlic, M.Kleiber, X.Nie, S.Blügel, and R.Wiesendanger, Symposium on Spin-Electronics, Halle (Germany)

2000-6-30: **Messung magnetischer Dipolkräfte, quantenmechanischer Austauschkräfte und spinpolarisierter Tunneleffekte an den Grenzen des technisch Möglichen**
R. Wiesendanger, Workshop on Nanomagnetism, Magneto- and Spinelectronics, University of Hamburg, Hamburg (Germany)

2000-6-15: **Observation of in-plane and out-of-plane magnetization in magnetic nanostructures**
R. Wiesendanger, BMBF-Seminar "Magnetoelektronik", IFW Dresden, Dresden (Germany)

2000-6-6: **Neue Einblicke in den Nanokosmos**
R. Wiesendanger, Kolloquium, University of Stuttgart, Stuttgart (Germany)

2000-6-5: **Neue Einblicke in den Nanokosmos**
R. Wiesendanger, Kolloquium, University of Regensburg, Regensburg (Germany)

2000-5-30: **Scanning tunneling spectroscopy of zero, two and three dimensional electron systems**
M. Morgenstern, Colloquium, University of Leiden, Leiden (Germany)

2000-5-8: **Reibung auf der Nanometerskala - Nanotribologie mit dem Rasterkraftmikroskop**
H. Hölscher, Johannes-Gutenberg Universität, Mainz (Germany)

2000-4-19: **Untersuchung des Wachstums von Niob auf InAs(110)**
Christian Meyer, Ringvorlesung: Graduiertenkolleg "Physik nanostrukturierter Festkörper", Hamburg (Germany)

2000-4-3: **Physical Mechanisms of Atomic Force Microscopy**
H. Hölscher, Seminar, Institut für Festkörperforschung, Forschungszentrum Jülich, Jülich (Germany)

2000-3-28: **Die Ursache der Beobachtung von Landau-Oszillationen in der Rastertunnelspektroskopie**
M. Morgenstern, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-28: **Quantitative Rasterkapazitätsmikroskopie für die Fehleranalyse von Halbleiterbauelementen**
A. Born, O. Krause, J. Isenbart, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-28: **Dotierprofilanalyse von Halbleitermikrostrukturen mittels Scanning Spreading Resistance Microscopy**
V. Hagen, A. Born, J. Isenbart, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-28: **Untersuchung von ligandenstabilisierten Metallclustern mittels SPM**
C. Bartsch, A. Born, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-28: **Anisotropie dünner magnetischer Spitzen an Tunnelspitzen**
M.Bode, O.Pietzsch, A.Kubetzka, and R.Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-28: **ARUPS-Untersuchung der Bedeckungsabhängigkeit des Nb-induzierten zweidimensionalen Elektronengases auf InAs(110)**
M. Morgenstern, M. Getzlaff, R.L. Johnson, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-28: **STM-Bilder von vergrabenen Übergangsmetallstrukturen**
S. Heinze, R. Abt, S. Blügel, G. Gilarowski, and H. Niehus, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-28: **Ab initio Rechnungen zum spin-polarisierten Tunneln**
S. Heinze, D. Wortmann, Ph. Kurz, X. Nie, S. Blügel, M. Bode, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-28: **Aufbau eines Prototyps für die Massenspeicherung basierend auf Rastersondenverfahren**
J. Isenbart, A. Born, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-28: **Simulationen zur Rasterkapazitätsmikroskopie**
O. Krause, A. Born, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-28: **Quantitative Rasterkapazitätsmikroskopie für die Fehleranalyse von Halbleiterbauelementen**
A. Born and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-28: **Direkte Visualisierung von dipolar antiferromagnetisch gekoppelten Nanostreifen mittels spinpolarisierter Rastertunnelspektroskopie**
O. Pietzsch, A. Kubetzka, M. Bode, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-27: **Simulation und Analyse von NC-AFM-Bildern: Abbildung der A- und B- Atome der Graphit-(0001)-Oberfläche**
H. Hölscher, W. Allers, U. D. Schwarz, A. Schwarz, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-27: **Die Rolle der dangling bonds bei atomarer Auflösung im dynamischen Modus der Rasterkraftmikroskopie**
A. Schwarz, W. Allers, U. D. Schwarz, and R. Wiesendanger, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-13: **Rastersonden-Mikroskopie und -Spektroskopie an Metallclustern zur Erforschung von Einzelelektronen- und Quantengrößen-Effekten**
C. Bartsch, A. Born, and R. Wiesendanger, Projekttreffen, Kochel am See (Germany)

2000-1-28: **Scanning tunneling spectroscopy of zero, two and three dimensional electron systems**
M. Morgenstern, Seminar, AG Prof. Enslin, ETH Zurich, Zurich (Switzerland)

2000-1-19: **Interpretation of STM Experiments on Transition-Metal Structures by ab initio Calculations**
S.Heinze, Research Institute for Materials, University of Nijmegen, Nijmegen (The Netherlands)

2000-1-15: **Strukturanalyse und ortsaufgelöste Messung von Materialeigenschaften mittels dynamischer Rasterkraftmikroskopie**
U. D. Schwarz, Rheinisch-Westfälische Technische Hochschule, Aachen (Germany)

2000-1-5: **Fe on InAs(110): A combined study using scanning tunneling microscopy and photoelectron spectroscopy**
M. Morgenstern, M. Getzlaff, D. Haude, and R. Wiesendanger, 228. WE-Heraeus-Seminar on Metal-Nonmetal Structures for Magnetoelectronics, Bad Honnef (Germany)

2000-1-5: **Fe on InAs(110): A combined study using scanning tunneling microscopy and photoelectron spectroscopy**
M. Morgenstern, M. Getzlaff, D. Haude, and R. Wiesendanger, Workshop "Metal-Nonmetal Structures for Magnetoelectronics", Bad Honnef (Germany)

1999-12-16: **Neue Anwendungen der Rasterkraftmikroskopie: Von den mikroskopischen Ursachen der Reibung zur hochauflösenden Mikroskopie/Spektroskopie bei tiefen Temperaturen**
U. D. Schwarz, ETH Zürich, Zurich (Switzerland)

1999-12-4: **Scanning tunneling spectroscopy of Landau quantization and spin splitting**
M. Morgenstern, Institutsseminar AG Ulbrich, Göttingen ()

1999-12-3: **Strom- und Dotierungsmessung von integrierten Schaltkreisen mit Nanometer-Auflösung**
A. Born and R. Wiesendanger, Sonderseminar Infineon Technologies AG, Munich (Germany)

1999-12-2: **Scanning Tunneling Spectroscopy of Landau Quantization and Spin Splitting**
M. Morgenstern, Seminar, University of Göttingen, Göttingen (Germany)

1999-11-30: **Scanning Tunneling Spectroscopy on single adsorbed atoms on semiconducting surfaces**
J. Klijn, Graduiertenkolleg "Felder und lokalisierte Atome - Atome und lokalisierte Felder. Spectroscopy an localisierten atomaren Systemen", Travemünde (Hamburg)

1999-11-29: **Nanotechnologie und ihre Bedeutung für die Informationstechnik**
R. Wiesendanger, Kolloquium, FB Informatik, University of Hamburg, Hamburg (Germany)

1999-11-9: **Reibung auf der Nanometerskala - Neue Einblicke in ein altes Problem**
U. D. Schwarz, Universität Hamburg, Hamburg (Germany)

1999-11-8: **Rastertunnelspektroskopie an dünnen magnetischen Filmen**
M. Bode, M. Getzlaff, R. Pascal, O. Pietzsch, A. Kubetzka, and R. Wiesendanger, University of Mainz , Mainz (Germany)

1999-10-25: **Low-temperature tunneling spectroscopy of the tip-induced quantum dot on n-InAs(110)**
R. Wiesendanger, AVS 99, Seattle (USA)

1999-10-21: **SCM-Simulationen**
O. Krause, A. Born, and R. Wiesendanger, Infineon Technologies , Munich (Germany)

1999-9-29: **Ab initio Bandstrukturrechnungen**
S. Heinze, R. Wiesendanger, and S. Blügel, Workshop on "Magnetische Nanostrukturen: Physikalische Grundlagen und Anwendungen", Hamburg (Germany)

1999-9-29: **Spin-polarized vacuum tunneling into exchange-split surface state of Gd(0001): a new concept for high-resolution imaging of magnetic domains**
M. Bode, M. Getzlaff, and R. Wiesendanger, Workshop on "Magnetische Nanostrukturen: Physikalische Grundlagen und Anwendungen", Hamburg (Germany)

1999-9-29: **Magnetische Domänenstrukturuntersuchungen ultradünner magnetischer Schichten mittels UHV-Magnetkraftmikroskopie**
M. Kleiber, Workshop on "Magnetische Nanostrukturen: Physikalische Grundlagen und Anwendungen", Hamburg (Germany)

1999-9-23: **Surface electronic properties of Tb(0001): a variable-temperature STM study**
M. Getzlaff, M. Bode, R. Pascal, O. Pietzsch, A. Kubetzka, and R. Wiesendanger, European Conference of Surface Science, Vienna (Austria)

1999-9-21: **The Influence of Potential Fluctuations on Landau Quantization and Spin Splitting studied by Low Temperature Scanning Tunneling Spectroscopy on InAs(110)**
M. Morgenstern, V. Gudmundsson, Chr. Wittneven, R. Dombrowski, and R. Wiesendanger, European Conference of Surface Science, Vienna (Austria)

1999-8-31: **Simulation of NC-AFM results for graphite(0001)**
H. Hölscher, W. Allers, U. D. Schwarz, A. Schwarz, and R. Wiesendanger, Second International Workshop on Noncontact Atomic Force Microscopy, Pontresina (Schweiz)

1999-8-31: **Atomic-scale dynamic mode scanning force microscopy study on n-InAs(110)-(1x1) at low temperatures**
A. Schwarz, W. Allers, U. D. Schwarz, and R. Wiesendanger, Second International Workshop on Noncontact Atomic Force Microscopy, Pontresina (Schweiz)

1999-8-31: **Towards the understanding of dynamic scanning force microscopy: Analysis of the contrast mechanism and interpretation of atomic-scale images**
U. D. Schwarz, H. Hölscher, and R. Wiesendanger, Second International Workshop on Noncontact Atomic Force Microscopy, Pontresina (Schweiz)

1999-7-28: **Spin polarized vacuum tunneling: Correlation of electronic and magnetic properties on the nanometer scale**
M. Getzlaff, M. Bode, and R. Wiesendanger, ICSOS-6 (1999), Vancouver (Canada)

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: **The influence of Potential Fluctuations on Landau Quantization and Spin Splitting studied by Low Temperature Scanning Tunneling Spectroscopy**
M. Morgenstern, V. Gudmundsson, Chr. Wittneven, R. Dombrowski, and R. Wiesendanger, 10th International Conference on STM, Seoul (South Korea)

1999-7-19: **Composition driven change of the magnetic anisotropy of ultrathin Co/Au(111) films studied by means of magnetic force microscopy in ultrahigh vacuum**
M. Kleiber, M. Dreyer, A. Wadas, and R. Wiesendanger, 10th International Conference on STM, Seoul (South Korea)

1999-7-18: **Analysis of the frequency shift in dynamic force microscopy**
H. Hölscher, W. Allers, U. D. Schwarz and R. Wiesendanger, 10th International Conference on STM, Seoul (South Korea)

1999-7-18: **Dynamic scanning force microscopy in UHV: Physical principles and exemplary experimental results obtained a low temperatures**
U. D. Schwarz, W. Allers, H. Hölscher, A. Schwarz, and R. Wiesendanger, 10th International Conference on STM, Seoul (South Korea)

1999-6-24: **Schichtdickenmessung mit dem Rasterkraftmikroskop**
U. D. Schwarz, University of Essen, Essen (Germany)

1999-6-18: **Dynamische Rasterkraftmikroskopie auf atomarer Skala**
W. Allers, ETH Zürich, Zurich (Switzerland)

1999-6-14: **Reibung auf der Nanometerskala - Neue Einblicke in ein altes Problem**
U. D. Schwarz, TU Ilmenau, Ilmenau (Germany)

1999-6-8: **Abbildung von Punktdefekten mit dem Rasterkraftmikroskop**
U. D. Schwarz, A. Schwarz, H. Hölscher, W. Allers, and R. Wiesendanger, University of Halle, Halle (Germany)

1999-5-27: **Die Augen des Nanokosmos - das Kompetenzzentrum "Nanoanalytik"**
R. Wiesendanger, WISTA, Berlin-Adlershof (Germany)

1999-5-25: **Planning of a 300 mK-UHV-Scanning Tunneling Microscope**
J. Wiebe, Workshop des Graduiertenkollegs "Physik nanostrukturierter Festkörper", Niederkleveez (Germany)

1999-5-21: **STM an Selten-Erdsystemen**
M. Getzlaff, Seminarvortrag, University of Göttingen, Göttingen (Germany)

1999-5-20: **Nanomechanik - Nanomechanische Untersuchungen mit dem Rasterkraftmikroskop**
U. D. Schwarz, University of Hamburg, Hamburg (Germany)

1999-5-18: **Auf dem Weg zur Kartierung der elektronischen Struktur von Halbleitersystemen mittels Rastertunnelspektroskopie**
M. Morgenstern, Seminar über Quantenoptik und Spektroskopie, University of Hamburg, Hamburg (Germany)

1999-5-12: **Reibung auf der Nanometerskala - Neue Einblicke in ein altes Problem**
U. D. Schwarz, TU Berlin, Berlin (Germany)

1999-5-10: **Neue Anwendungen der Rasterkraftmikroskopie: Von den mikroskopischen Ursachen der Reibung zur hochauflösenden Mikroskopie/Spektroskopie bei tiefen Temperaturen**
U. D. Schwarz, Rheinisch-Westfälische Technische Hochschule, Aachen (Germany)

1999-5-7: **Dynamische Rasterkraftmikroskopie bei tiefen Temperaturen: Physikalische Prinzipien und ausgewählte, bei tiefen Temperaturen erhaltene Resultate**
U. D. Schwarz, W. Allers, H. Hölscher, A. Schwarz, and R. Wiesendanger, Kolloquium, Berlin (Germany)

1999-5-5: **Spinpolarisierte Rastertunnelspektroskopie: Ein neuer Zugang zum Nanomagnetismus**
R. Wiesendanger, Kolloquium, University of Essen, Essen (Germany)

1999-5-3: **Interpretation von STM-Bildern von Übergangsmetallstrukturen auf der Basis der Elektronentheorie**
S. Heinze, R. Abt, S. Blügel, Seminar am Institut für Oberflächenphysik und Atomstoßprozesse , Berlin (Germany)

1999-4-20: **Die Augen des Nanokosmos - das Kompetenzzentrum "Nanoanalytik"**
R. Wiesendanger, Messe, Hannover (Germany)

1999-4-13: **Von der Mikroelektronik zur Nanoelektronik: Neue faszinierende Einblicke in das mikroskopische Verhalten von Festkörperelektronen**
R. Wiesendanger, Kolloquium, University of Ilmenau, Ilmenau (Germany)

1999-4-9: **Simulation zur Rasterkapazitätsmikroskopie**
V. Hagen, A. Born, and R. Wiesendanger, DI-User Meeting, Dresden (Germany)

1999-3-25: **Temperaturabhängige Austauschaufspaltung des Oberflächenzustandes von Tb(0001)**
M. Bode, M. Getzlaff, and R. Wiesendanger, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1999-3-25: **Einfluß des elektrischen Feldes auf STM-Bilder von Metalloberflächen**
S. Heinze, X. Nie, S. Blügel, and M. Weinert, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1999-3-24: **Untersuchung des Einflusses von Kohlenstoff auf die Anisotropie ultradünner Kobaltfilme auf Gold(111) mittels Magnetkraftmikroskopie im Ultrahochvakuum**
M. Kleiber, M. Dreyer, and R. Wiesendanger, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1999-3-23: **Bestimmung von Radialmatrixelementen und Phasenverschiebungen in der Photoemission**
M. Getzlaff, M. Bode, and R. Wiesendanger, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1999-3-22: **Magnetische Eigenschaften dünner Pd-Schichten auf Fe(110)**
M. Getzlaff and R. Wiesendanger, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1999-3-22: **Magnetischer zirkularer und linearer Dichroismus im Co 3d Valenzband - ein Vergleich zwischen Experiment und Theorie**
J. Bansmann, L. Lu, M. Getzlaff, K.-H. Meiwes-Broer, M. Fluchtmann, and J. Braun, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1999-3-22: **Der Einfluß ionisierter Dotieratome auf die Landauquantisierung: Eine Rastertunnelspektroskopieanalyse auf InAs(110)**
M. Morgenstern, Chr. Wittneven, R. Dombrowski, V. Gudmundsson, and R. Wiesendanger, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1999-3-22: **Abbildung der wasserstoffinduzierten plastischen Verformung von Gd-Schichten mittels STM**
M. Getzlaff, A. Pundt, M. Bode, R. Kirchheim, and R. Wiesendanger, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1999-3-22: **Rekonstruktion des Spitzen/Proben-Potentials aus der Frequenzverschiebung im dynamischen Modus des Rasterkraftmikroskops**
H. Hölscher, W. Allers, U. D. Schwarz, A. Schwarz, and R. Wiesendanger, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1999-3-22: **Untersuchung von Punktdefekten auf InAs(110) mittels dynamischer Rasterkraftmikroskopie im UHV bei tiefen Temperaturen**
A. Schwarz, W. Allers, U. D. Schwarz, and R. Wiesendanger, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1999-2-15: **Magnetization switching of nanometer-scale magnetic dots induced by a magnetic force microscope tip**
M. Kleiber, International Symposium on Magnetic Nanostructures, Hamburg (Germany)

1999-1-26: **Von der Mikroelektronik zur Nanoelektronik: Neue faszinierende Einblicke in das Mikroskopische Verhalten von Festkörperelektronen**
R. Wiesendanger, Kolloquium, University of Hannover, Hannover (Germany)

1999-1-15: **From Micro- to Nanoelectronics: Novel Insight into the Microscopic Nature of Electronic States in Semiconductors and Ferromagnets**
R. Wiesendanger, Seminar, Berkeley (USA)

1999-1-14: **Einsatz der Rastersondenmikroskopie in der Halbleiteranalytik**
A. Born und R. Wiesendanger, University of Leoben, Leoben (Austria)

1999-1-7: **Reibung auf der Nanometerskala - Nanotribologie mit dem Rasterkraftmikroskop**
H. Hölscher, U. D. Schwarz, and R. Wiesendanger, Seminar talk, University of Cologne, Cologne (Germany)

1999-1-4: **Theorectical analysis of STM and STS of thin magnetic films**
S. Heinze and S. Blügel, 211. WE-Heraeus Seminar, Physik-Zentrum Bad Honnef, Bad Honnef (Germany)

1998-12-15: **Tieftemperatur-Rastersondenspektroskopie: Zugang zur Physik auf der Nanometerskala**
R. Wiesendanger, Kolloquium, TU Dresden, Dresden (Germany)

1998-12-14: **Von der Mikroelektronik zur Nanoelektronik: Neue faszinierende Einblicke in das mikroskopische Verhalten von Festkörperelektronen**
R. Wiesendanger, Kolloquium, HMI Berlin, Berlin (Germany)

1998-11-12: **Magnetization switching of submicrometer Co dots induced by a magnetic force microscope tip**
M. Kleiber, MMM-43, Miami (USA)

1998-11-12: **Temperature dependence of the exchange splitting of the Gd(0001) surface state: a scanning tunneling spectroscopy study**
M. Bode, M. Getzlaff, S. Heinze, and R. Wiesendanger, MMM-43, Miami (USA)

1998-11-10: **Thickness dependent magnetic domain structures of ultrathin Co/Au(111) films studied by means of magnetic force microscopy in ultrahigh vacuum**
M. Kleiber, MMM-43, Miami (USA)

1998-11-6: **Von der Mikroelektronik zur Nanoelektronik: Neue faszinierende Einblicke in das mikroskopische Verhalten von Festkörperelektronen**
R. Wiesendanger, Kolloquium, University of Heidelberg, Heidelberg (Germany)

1998-11-6: **Imaging of hydrogen-induced plastic deformation of Gd films**
A. Pundt, M. Getzlaff, U. Laudahn, R. Wiesendanger, and R. Kirchheim, TMR-Meeting, Clausthal-Zellerfeld (Germany)

1998-11-4: **Imaging magnetic domains by spin-polarized scanning tunneling spectroscopy**
M. Bode, M. Getzlaff, and R. Wiesendanger, AVS 98, Baltimore (USA)

1998-11-2: **Visualization of heterogeneously catalytic processes**
M. Bode, M. Getzlaff, and R. Wiesendanger, AVS 98, Baltimore (USA)

1998-11-2: **Forces and interactions at the atomic scale in scanning force microscopy**
U. D. Schwarz, W. Allers, H. Bluhm, H. Hölscher, A. Schwarz, O. Zwörner, and R. Wiesendanger, The German Electron Synchrotron Facility (DESY), Hamburg (Germany)

1998-10-20: **Abbildung magnetischer Domänen auf der nm-Skala mittels spin-sensitivem STM**
M. Getzlaff, M. Bode, and R. Wiesendanger, Seminar, Mainz (Germany)

1998-10-16: **Nanostrukturierung und Charakterisierung von magnetischen Materialien**
A. Born, Werkstoffwoche 1998, München (Germany)

1998-10-16: **Dynamic scanning force microscopy at low temperatures in UHV**
U. D. Schwarz, W. Allers, H. Hölscher, A. Schwarz und R. Wiesendanger, Lawrence Berkeley National Laboratory, Berkeley (USA)

1998-9-17: **Towards the understanding of dynamic scanning force microscopy: Analysis of the contrast mechanism**
U. D. Schwarz, W. Allers, H. Hölscher, A. Schwarz, and R. Wiesendanger, Third Conference on the Development and Technological Application of Nearfield Scanning Probe Methods, Basle (Switzerland)

1998-9-15: **Determination of the tip-sample potential from the frequency shift in the dynamic mode of atomic force microscopy**
H. Hölscher, W. Allers, U. D. Schwarz, A. Schwarz, and R. Wiesendanger, Third Conference on the Development and Technological Application of Nearfield Scanning Probe Methods, Basle (Switzerland)

1998-9-15: **Dynamic scanning force microscopy of point defects on InAs(110)-(1×1) at low temperatures in UHV**
A. Schwarz, W. Allers, U. D. Schwarz, and R. Wiesendanger, Third Conference on the Development and Technological Application of Nearfield Scanning Probe Methods, Basle (Switzerland)

1998-9-4: **Towards the understanding of dynamic force microscopy: Analysis of the anharmonic cantilever oscillations**
H. Hölscher, A. Schwarz, U. D. Schwarz, W. Allers, and R. Wiesendanger, Fifth International Conference on Nanometer-scale Science and Technology (NANO V), Birmingham (U.K.)

1998-9-3: **Visualization of the adsorption process of hydrogen on gadolinium**
M. Bode, M. Getzlaff, and R. Wiesendanger, ICSS-10, Birmingham (U.K.)

1998-9-3: **Scanning tunneling spectroscopy of Gd(0001) using Fe-coated tips: the model case of spin polarized tunneling**
M. Bode, M. Getzlaff, and R. Wiesendanger, Fifth International Conference on Nanometer-scale Science and Technology (NANO V), Birmingham (U.K.)

1998-9-2: **From Gd to ordered GdFe alloys**
M. Bode, R. Pascal, H. Tödter, M. Getzlaff, and R. Wiesendanger, ICSS-10, Birmingham (Great Britain)

1998-9-2: **True atomic resolution on InAs(110) obtained by dynamic scanning force microscopy: Simultaneous Resolution of the As and In sublattice and observation of point defects**
A. Schwarz, W. Allers, U. D. Schwarz, and R. Wiesendanger, Fifth International Conference on Nanometer-scale Science and Technology (NANO V), Birmingham (England)

1998-9-2: **Vizualization of heterogeneously catalytic processes**
M. Getzlaff, M. Bode, and R. Wiesendanger, ICEM-14, Cancun (Mexico)

1998-9-1: **Visualization of heterogeneously catalytic processes**
M. Bode, M. Getzlaff, and R. Wiesendanger, QSA-10, Birmingham (U.K.)

1998-7-23: **Analysis of the frequency shift in non-contact atomic force microscopy**
H. Hölscher, A. Schwarz, U. D. Schwarz, W. Allers, and R. Wiesendanger, First International Workshop on Noncontact Atomic Force Microscopy, Osaka (Japan)

1998-7-22: **Dynamic scanning force microscopy on InAs(110): Simultaneous resolution of the As and In sublattice and observation of point defects**
A. Schwarz, W. Allers, U. D. Schwarz, and R. Wiesendanger, First International Workshop on Noncontact Atomic Force Microscopy, Osaka (Japan)

1998-7-21: **Atomic resolution on van der Waals surfaces in non-contact mode with a newly designed scanning force microscope for operation in ultrahigh vacuum and at 10 K**
W. Allers, U. D. Schwarz, A. Schwarz, and R. Wiesendanger, First International Workshop on Noncontact Atomic Force Microscopy, Osaka (Japan)

1998-7-15: **Von der Mikroelektronik zur Nanoelektronik: Neue faszinierende Einblicke in das mikroskopische Verhalten von Festkörperelektronen**
R. Wiesendanger, Kepler-Vorlesung, University of Tübingen, Tübingen (Germany)

1998-7-10: **New insight into the surface magnetic properties of Gd(0001)**
M. Getzlaff, R. Pascal, M. Bode, and R. Wiesendanger, ICSFS-9, Copenhagen (Denmark)

1998-7-8: **Visualization of heterogeneously catalytic processes**
M. Getzlaff, M. Bode, and R. Wiesendanger, ICSFS-9, Copenhagen (Denmark)

1998-7-6: **Imaging of magnetic domains on the nanometer scale**
M. Getzlaff, M. Bode, and R. Wiesendanger, ICSFS-9, Copenhagen (Denmark)

1998-7-6: **Tieftemperatur-Rastertunnelspektroskopie an InAs(110): Landauquantisierung und die Streuung von Elektronenwellen an Dotieratomen**
M. Morgenstern, Seminar der Gruppe Prof. Kotthaus, LMU München , München (Germany)

1998-7-3: **Rastersondenmikroskopie und -Spektroskopie an Festkörperdefekten**
R. Wiesendanger, SFB-Workshop, University of Bonn, Bonn (Germany)

1998-6-17: **Thickness-dependent magnetic domain structures of ultrathin Co-films on Au(111) studied by magnetic force microscopy in ultrahigh vacuum**
R. Wiesendanger, 3rd Int. Symp. on Metallic Multilayers, MML 1998, Vancouver (Canada)

1998-6-16: **Correlation between atomic, local electronic and magnetic structure of Gd(0001) thin films by variable-temperature scanning tunneling spectroscopy**
R. Wiesendanger, 3rd Int. Symp. on Metallic Multilayers, MML 1998, Vancouver (Canada)

1998-5-17: **Nanocharacterisation by scanning probe microscopy**
M. Morgenstern, M. Bode, M. Getzlaff, U. D. Schwarz, A. Wadas, and R. Wiesendanger, Conference on Nanosciences for Nanotechnology, Hindsgavl (Denmark)

1998-5-8: **Vom Quantenpunkt zur quantenmagnetischen Speicherung: Tieftemperatur-Rastersondenspektroskopie an Halbleitern und Ferromagneten**
R. Wiesendanger, Kolloquium, IFF Forschungszentrum, Jülich (Germany)

1998-3-26: **Interpretation spitzeninduzierter Zustände in der Rastertunnelspektroskopie von InAs(110)**
M. Morgenstern, R. Dombrowski, Chr. Wittneven und R. Wiesendanger, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1998-3-26: **RTM und RTS an Tb/W(110)**
R. Pascal, H. Tödter, M. Bode, and R. Wiesendanger, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1998-3-26: **Zusammenhang zwischen Oberflächenzuständen und Antikorrugation in STM-Bildern von Übergangsmetalloberflächen**
S. Heinze, S. Blügel, R. Pascal, M. Bode, and R. Wiesendanger, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1998-3-25: **Origin of the ferroelectric domain contrast observed in lateral force microscopy**
H. Bluhm, U. D. Schwarz, and R. Wiesendanger, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1998-3-25: **Präparation defektfreier Wolframkarbidoberflächen als Substrat zur Manipulation einzelner Atome bei 300 K**
Ch. Zarnitz, H. Tödter, H.J. Kim, M. Bode, M. Getzlaff, and R. Wiesendanger, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1998-3-25: **RTM und RTS an Gd - Fe - Legierungen auf W(110)**
R. Pascal, H. Tödter, M. Bode, M. Getzlaff, and R. Wiesendanger, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1998-3-25: **Adsorbate auf Gd(0001) - eine kombinierte STM/UPS-Studie**
M. Getzlaff, M. Bode, R. Pascal, H. Tödter, and R. Wiesendanger, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1998-3-24: **Atomic resolution at 10 K with a new design of a scanning force microscope**
W. Allers, A. Schwarz, U. D. Schwarz, and R. Wiesendanger, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1998-3-24: **Temperaturabhängige Austauschaufspaltung des Oberflächenzustandes von Gd(0001)**
M. Getzlaff, M. Bode, S. Heinze, R. Pascal, and R. Wiesendanger, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1998-3-24: **Kapazitäts- und Oberflächenpotential-Messungen an Halbleiterstrukturen mit Nanometer-Auflösung**
A. Born, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1998-3-23: **Rastertunnelspektroskopie von Gd(0001) mit Fe-Spitzen: Modellfall für spinpolarisiertes Tunneln**
M. Bode, M. Getzlaff, and R. Wiesendanger, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1998-3-23: **Untersuchung der schichtdickenabhängigen Domänenstruktur dünner Co-Filme auf Au(111) mittels Magnetkraftmikroskopie im Ultrahochvakuum**
M. Dreyer, A. Wadas, M. Kleiber, and R. Wiesendanger, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1998-3-17: **2D-Dotierungsbestimmung von Halbleiterbauelementen mit Rastersondenmethoden**
A. Born, Sonderseminar, Siemens AG, München (Germany)

1998-3-5: **Grundlagen der Rasterkapazitätsmikroskopie**
A. Born, D.I. User-workshop, München (Germany)

1998-1-29: **Tieftemperatur-Tunnelspektroskopie an Halbleitern und magnetischen Systemen**
R. Wiesendanger, Kolloquium, University of Rostock, Rostock (Germany)

1997-12-3: **Scanning Tunneling Spectroscopy on n-InAs(110): Landau Level Quantization and Scattering of Electron Waves at Dopant Atoms**
Chr. Wittneven, R. Dombrowski, M. Morgenstern and R. Wiesendanger, Max-Planck-Institut, Stuttgart (Germany)

1997-10-28: **Scanning Tunneling Spectroscopy of thin metal films on W(110): correlation of structural and local electronic properties**
M. Bode, R. Pascal, Ch. Zarnitz, M. Getzlaff, S. Heinze and R. Wiesendanger, Sandia Nat. Lab, Sandia (USA)

1997-9-2: **Qualitätskontrolle von Halbleiterbauelementen mittels Rastersondenmethoden**
A. Born, and R. Wiesendanger, Auftaktveranstaltung zur Hamburger Mikroelektronik Initiative, Hamburg (Germany)

1997-7-21: **Consequences of atomic-scale "stick-slip" movement in scanning force microscopy**
H. Hölscher, O. Zwörner, and U. D. Schwarz, 9th International Conference on STM, Hamburg (Germany)

1997-7-21: **Study of magnetic properties and magnetization switching of nanostructured Co-dot-arrays by magnetic force microscopy**
M. Löhndorf, M. Kleiber, A. Wadas, D. Weiss, and R. Wiesendanger, 9th International Conference on STM, Hamburg (Germany)

1997-7-21: **Magnetostrictive writing by using magnetic force microscopy in UHV**
A. Wadas, M. Dreyer, M. Löhndorf, and R. Wiesendanger, 9th International Conference on STM, Hamburg (Germany)

1997-7-21: **Atomic resolution at 10 K in UHV with a new design of a scanning force microscope**
A. Schwarz, W. Allers, U. D. Schwarz, and R. Wiesendanger, 9th International Conference on STM, Hamburg (Germany)

1997-7-21: **Validity of contact mechanical models on the nanometer scale with respect to friction force spectroscopy measurements**
U. D. Schwarz, O. Zwörner, and P. Köster, 9th International Conference on STM, Hamburg (Germany)

1997-7-21: **Development of a UHV Low Temperature STM in combination with a rotatable high magnetic field**
Chr. Wittneven, R. Dombrowski, S.H. Pan, 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, 9th International Conference on STM, Hamburg (Germany)

1997-7-21: **Scanning capacitance microscope as a tool for the characterization of integrated circuits**
A. Born, and R. Wiesendanger, 9th International Conference on STM, Hamburg (Germany)

1997-7-21: **STS reveals domain-like behavior of the Gd(0001) surface state**
R. Pascal, Ch. Zarnitz, M. Bode, and R. Wiesendanger, 9th International Conference on STM, Hamburg (Germany)

1997-7-21: **Temperature Dependent Exchange Splitting of Gd(0001) Surface States studied by Scanning Tunneling Spectroscopy**
M. Bode, M. Getzlaff, S. Heinze and R. Wiesendanger, 9th International Conference on STM, Hamburg (Germany)

1997-7-20: **Scanning capacitance microscope as a new storage device?!**
A. Born, 9th International Conference on STM, Hamburg (Germany)

1997-7-15: **Nanostructure manipulation by magnetic force microscopy and scanning capacitance microscopy**
A. Born, and R. Wiesendanger, Workshop ´97 "Nanostructures at Surfaces and Interfaces", Konstanz (Germany)

1997-7-11: **Systemlösung für SXM-Speicherprojekte**
A. Born, BMBF-Projekttreffen, Saarbrücken (Germany)

1997-7-7: **Rasterkapazitätsmikroskopie an Halbleitern und Halbleiterbauelementen**
A. Born, and R. Wiesendanger, Seminar "Molekulare Mustererkennung mit supramolekularen Strukturen", Tübingen (Germany)

1997-6-27: **Experimental and theoretical aspects of point contact friction**
U. D. Schwarz, H. Bluhm, H. Hölscher, O. Zwörner, and R. Wiesendanger, University of Amsterdam, Amsterdam (The Netherlands)

1997-5-30: **Electronic structure of hydrogen on Gd(0001)/W(110)**
M. Getzlaff, M. Bode, and R. Wiesendanger, NCSS-4, Ålesund (Norway)

1997-5-20: **Scanning Probe Methods in Science and Technology of Magnetism**
R. Wiesendanger, Seminar, Santa Barbara (USA)

1997-5-14: **Untersuchung des Gd(0001)-Oberflächenzustandes mittels Rastertunnelspektroskopie**
R. Pascal, Ch. Zarnitz, M. Bode M. Getzlaff, and R. Wiesendanger, Seminar AG Kaindl, FU Berlin, Berlin (Germany)

1997-5-13: **Magnetic Force Microscopy in UHV**
A. Wadas, OMICRON Workshop, Taunusstein (Germany)

1997-4-9: **Rastersondenmikroskopie und -spektroskopie: Zugang zur Physik und Chemie auf der Nanometerskala**
R. Wiesendanger, FHI der MPG, Berlin (Germany)

1997-4-1: **Low temperature scanning force microscopy**
W. Allers, A. Schwarz, U. D. Schwarz, and R. Wiesendanger, Lawrence Berkeley National Laboratories, Berkeley (USA)

1997-4-1: **Novel writing using magnetic force microscopy in ultrahigh vacuum**
A. Wadas, M. Dreyer, M. Löhndorf, and R. Wiesendanger, INTERMAG Conference, New Orleans (USA)

1997-3-20: **Untersuchung der atomaren und lokalen elektronischen Struktur von Gd auf W(110)**
R. Pascal, Ch. Zarnitz, M. Bode, and R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1997-3-20: **UHV-Rastertunnelmikroskopie an p-Typ InAs**
W. Kresse, M. Bode, and R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1997-3-20: **Untersuchung des Wachstums von Gd auf W(110) mittels RTM**
Ch. Zarnitz, R. Pascal, M. Bode, and R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1997-3-19: **Herstellung von Nano-Dot-Arrays mittels Nanokugellithographie und Charakterisierung mittels Rastersensormethoden**
M. Kleiber, M. Winzer, N. Dix, and R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1997-3-19: **Untersuchung der mikromagnetischen Eigenschaften von Kobaltnanopartikeln mit Magnetkraftmikroskopie**
M. Löhndorf, M. Kleiber, A. Wadas, and R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1997-3-19: **Erzeugung magnetischer und topographischer Strukturen auf dünnen Kobaltfilmen mittels Atom-/Magnetkraftmikroskopie im UHV**
M. Dreyer, A. Wadas, M. Löhndorf, and R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1997-3-19: **UHV magnetic force microscopy as a tool to study magnetomechanical effects on a nanometer scale**
A. Wadas, M. Dreyer, M. Löhndorf, and R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1997-3-19: **Analyse von Nanostrukturen integrierter Schaltungen mittels Rasterkapazitätsmikroskopie**
A. Born, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1997-3-18: **Aufbau eines Hochgeschwindigkeits-Rasterkapazitätsmikroskops**
A. Born, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1997-3-17: **A model for the lateral force microscope**
H. Hölscher, U. D. Schwarz, and R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1997-3-17: **Comparative quantitative lateral force microscopy of carbon compounds in air and in argon atmosphere**
U. D. Schwarz, O. Zwörner, P. Köster, and R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1997-3-17: **Aufbau eines UHV-TT-Rastertunnelmikroskops für Messungen im Vektormagnetfeld und erste Ergebnisse**
Chr. Wittneven, R. Dombrowski, S.H. Pan, and R. Wiesendanger, Frühjahrstagung der DPG, Münster (Germany)

1997-3-17: **Analyse von Nanostrukturen integrierter Schaltungen mittels Rasterkapazitätsmikroskopie**
A. Born and R. Wiesendanger, 61st Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1997-3-13: **Von der Nanostrukturierung mittels Rastersondenmethoden zur hochdichten Datenspeicherung: Probleme und Lösungsansätze**
R. Wiesendanger, Seminar, PTB Braunschweig, Braunschweig (Germany)

1997-3-7: **Construction of an ultrahigh vacuum low-temperature scanning force microscope**
A. Schwarz, W. Allers, U. D. Schwarz, and R. Wiesendanger, Johannes-Kepler-Universität, Linz (Austria)

1997-2-20: **Untersuchung der magnetischen Eigenschaften von Kobalt-Nanopartikeln mit Magnetkraftmikroskopie**
M. Kleiber, DI User Workshop, Münster (Germany)

1997-2-18: **Anwendungen des Rasterkapazitätsmikroskops für die Analyse von Integrierten Schaltkreisen**
A. Born, and R. Wiesendanger, DI User-Workshop, Münster (Germany)

1997-1-23: **Rastersondenmikroskopie und Spektroskopie: Zugang zur Physik und Chemie auf der Nanometerskala**
R. Wiesendanger, Kolloquium, University of Hamburg, Hamburg (Germany)

1997-1-16: **Rastersondenmikroskopie und Spektroskopie: Zugang zur Physik auf der Nanometerskala**
R. Wiesendanger, SFB-Kolloquium, University of Erlangen, Erlangen (Germany)

1997-1-13: **Design eines UHV-Tieftemperatur-Rastertunnelmikroskops mit externem Vektormagnetfeld**
R. Dombrowski, Chr. Wittneven and R. Wiesendanger, 1. Workshop des Graduiertenkollegs Physik nanostrukturierter Festkörper, Timmendorfer Strand (Germany)

1997-1-7: **Zusammenhang zwischen elektronischer Struktur und Rastertunnel- topographie (STM) und -Spektroskopie (STS) von Fe/W(110)**
S. Heinze, 168. WE-Heraeus-Seminar, Bad Honnef (Germany)

1997-1-6: **Untersuchung der lokalen elektronischen Struktur von Gd auf W(110)**
R. Pascal, Ch. Zarnitz, M. Bode and R. Wiesendanger, 168. WE-Heraeus-Seminar, Bad Honnef (Germany)

1996-11-29: **Aufbau eines Prototyps zum Erzeugen und Auslesen von Nanometer-Strukturen im MHz-Bereich**
A. Born, BMBF-Projekttreffen, Münster (Germany)

1996-11-25: **Fundamental investigations on point contact friction**
U.D. Schwarz, H. Bluhm, H. Hölscher, O. Zwörner, P. Köster, W. Allers, A. Schwarz, and R. Wiesendanger, Seminar, University of Tübingen, Tübingen (Germany)

1996-11-15: **Rastersondenmethoden zur Kapazitäts- und Magnetfeldmessung**
A. Born, Workshop zum Einsatz von Rastersondenverfahren zur Mikrocharakterisierung von Halbleiterbauelementen, München (Germany)

1996-11-6: **Nanotribology**
U.D.Schwarz, H. Bluhm, H. Hölscher, O. Zwörner, P. Köster, and R. Wiesendanger, WE-Heraeus-Seminar über Nanostrukturwissenschaften und -technik, Bad Honnef (Germany)

1996-10-17: **Korrelation struktureller und lokaler elektronischer Eigenschaften von Fe/W(110) mittels RTS**
M. Bode, AVS symposium, Pennsylvania (USA)

1996-9-13: **Experimental and theoretical aspects of point contact friction**
U.D. Schwarz, H. Bluhm, H. Hölscher, O. Zwörner, P. Köster, W. Allers, and R. Wiesendanger, Seminar Tokyo Institute of Technology, Tokyo (Japan)

1996-7-18: **Korrelation struktureller und lokaler elektronischer Eigenschaften von Fe/W(110) mittels RTS**
M. Bode, Forschungszentrum Jülich, Jülich (Germany)

1996-6-16: **Friction force microscopy with well-defined tips at layered materials and carbon compounds**
U.D. Schwarz, O. Zwörner, P. Köster, and R. Wiesendanger, NATO ASI workshop on Micro-/Nanotribology and Its Applications, Sesimbra (Portugal)

1996-6-13: **Korrelation struktureller, elektronischer und magnetischer Eigen schaften auf der Nanometerskala mittels Rastersondenmikroskopie und -spektroskopie**
R. Wiesendanger, MPI für Mikrostrukturphysik, Halle (Germany)

1996-5-29: **Experimental and theoretical aspects of point contact friction**
U.D. Schwarz, W. Allers, H. Bluhm, H. Hölscher, P. Köster, O. Zwörner, and R. Wiesendanger, Seminar, University of Konstanz, Konstanz (Germany)

1996-5-20: **What can we learn about magnetism and electronic structure from STM**
S. Heinze, Magnetic Nanostructures Workshop, MPI Halle, Halle (Germany)

1996-5-13: **Resolution and sensitivity of MFM Experiments in air and in UHV**
A. Wadas, CAMST topical meeting on Magnetic Force Microscopy, Manchester (U.K.)

1996-5-8: **Korrelation struktureller und lokaler elektronischer Eigenschaften von Fe/W(110) mittels RTS**
M. Bode, Omicron User Meeting, Taunusstein (Germany)

1996-4-24: **Rasterthermomikroskopie**
J. Asmussen, Forschungszentrum Jülich, Jülich (Germany)

1996-4-18: **Friction force microscopy with well-defined tips on layered materials**
U.D. Schwarz, P. Köster, O. Zwörner, and R. Wiesendanger, DI User Meeting, Hamburg (Germany)

1996-4-18: **Magnetische Kraftmikroskopie an dünnen Co-Schichten**
M. Löhndorf, DI User Meeting, Hamburg (Germany)

1996-4-18: **Abbildung ferroelektrischer Kristalle mit dem Kraftmikroskop**
H. Bluhm, A. Wadas, and R. Wiesendanger, DI User Meeting, Hamburg (Germany)

1996-4-16: **Theoretische Untersuchungen zu STM-Experimenten mitdem FLAPW-Code**
S. Heinze, Forschungszentrum Jülich, Jülich (Germany)

1996-3-28: **Kontrastmechanismen bei der Abbildung ferroelektrischer Domänen mit dem Rasterkraftmikroskop**
H. Bluhm, A. Wadas, L. Szczesniak, K.-P. Meyer, and R. Wiesendanger, 60th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1996-3-28: **Friction force microscopy with well-defined tips on layered materials (in German)**
U.D. Schwarz, P. Köster, H. Hölscher, O. Zwörner, and R. Wiesendanger, 60th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1996-3-27: **Magnetic force microscopy results obtained in UHV**
A. Wadas, M. Dreyer, M. Löhndorf, R. Wiesendanger, 60th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1996-3-27: **Untersuchung von dünnen magnetischen Schichten und Multilagensystemen mittels magnetischer Kraftmikroskopie**
M. Löhndorf, A. Wadas, and R. Wiesendanger, 60th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1996-3-25: **Korrelation nanostruktureller und lokaler elektronischer Eigenschaften von Fe/W(110) mittels RTS**
M. Bode, 60th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1996-1-29: **Rastersondenmikroskopie und Spektroskopie: Zugang zur Physik auf der Nanometerskala**
R. Wiesendanger, Kolloquium, University of Ulm, Ulm (Germany)

1996-1-18: **Rastertunnelmikroskopie und Spektroskopie an einzelnen Adatomen, Clustern, 2D- und 3D-Inseln auf metallischen Substraten**
R. Wiesendanger, Kolloquium, University of Kassel, Kassel (Germany)

1996-1-10: **Korrelation struktureller, elektronischer und magnetischer Eigenschaften auf der Nanometerskala mittels Rastersondenmikroskopie und -spektroskopie**
R. Wiesendanger, Kolloquium, IFW Dresden, Dresden (Germany)

1996-1-5: **Magnetic force microscopy study of thin magnetic Films**
M. Löhndorf, A. Wadas, and R. Wiesendanger, Oberflächenmagnetismus, Bad Honnef (Germany)

1996-1-4: **Atomic and local electronic structure of thin Fe films on W(110) studied by scanning tunneling microscopy/spectroscopy**
M. Bode, R. Pascal, and R. Wiesendanger, Dreikönigstreffen, Bad Honnef (Germany)

1995-12-5: **Rastersondenmikroskopie und -spektroskopie: Zugang zur Physik auf der Nanometerskala**
R. Wiesendanger, Technical University of Braunschweig (Colloquium), Braunschweig (Germany)