

Scanning Probe Methods Group, Prof. Dr. Roland Wiesendanger

Publications: Invited Talks

Date of issue: 2021-10-24

2021-10-27: Imprinting of magnetic topological objects from the edge

E. Vedmedenko, CECAM Workshop, Lausanne (Switzerland)

2021-10-23: Study of Artificial Spin Chains on Superconductors as to Topological Superconductivity

J. Wiebe, virtual - 7th International Conference on Superconductivity and Magnetism, Bodrum (Turkey)

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)

2021-9-24: 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)

2021-8-20: Evidence for p-wave pairing and energy oscillations of precursor Majoranas in artificial finite-size Shiba chains

J. Wiebe, virtual - 2021 Molecular Foundry User Meeting, Lawrence Berkeley National Laboratory (USA)

2021-7-12: Using SP-STM at nanometer distances for atomic-scale imaging and manipulation of magnetism

A. Schlenhoff, virtual - ICN+T 2021, Vancouver, British Columbia (Canada)

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)

2021-4-28: From spin-resolved atomic-resolution imaging to magnetic materials and devices by design

R. Wiesendanger, virtual - INTERMAG 2021, Lyon (France)

2021-4-22: Atomic-scale studies and design of topological spin textures and Majorana states in magnet-superconductor hybrid systems

R. Wiesendanger, virtual - MRS Spring Meeting 2021, Seattle (USA)

2021-4-12: Emergent Majorana zero modes in disorder-free bottom-up fabricated atomic spin chains proximity-coupled to clean superconducting Re and Nb substrates

R. Wiesendanger, virtual - University of Maryland - CMTC Conference on "Searching for Topological Majorana Zero Modes", Maryland (USA)

2021-3-18: Zero-field magnetic skyrmions in model-type systems studied with STM

K. von Bergmann, virtual - APS March Meeting 2021, virtual (USA)

2021-3-15: Non-collinear magnetism and zero-field skyrmions in all-light-metal multilayers

R. Lo Conte, A. K. Nandy, G. Chen, A. L. Fernandes Cauduro, A. Maity, C. Ophus, Z. Chen, A. T. N Diaye, H. Yang, K. Liu, A. K. Schmid, and R. Wiesendanger, virtual - APS March Meeting 2021, virtual (USA)

2021-3-11: Long-range focused quasiparticle bound states on a quasi-2D superconductor

H. Kim, virtual - NanoSpec 2021, Kanazawa (Japan)

2021-3-3: Zero-field magnetic skyrmions in model-type systems studied with STM

K. von Bergmann, virtual - DPG Spring Meeting of the Surface Science Division, virtual (Germany)

2021-3-2: Artificial spin chains on superconductor surfaces

J. Wiebe, virtual - DPG Spring Meeting of the Surface Science Division, virtual (Germany)

2021-2-2: Long-Range Focused Quasiparticle Bound States on a Quasi-2D Superconductor

H. Kim, virtual - APCTP-KIAS Quantum Materials Symposium 2021, Pohang (South Korea)

2020-11-29: Quantum designer materials and devices by single-atom manipulation

R. Wiesendanger, virtual - MRS Spring and Fall Meeting, (USA)

2020-11-3: Utilizing Vacuum States above Surfaces for Imaging and Manipulation of Atomic-Scale Magnetism

A. Schlenhoff, virtual - MMM Conference 2020, (USA)

2020-11-3: Large Dzyaloshinskii-Moriya interaction induced by chemisorbed species on ferromagnets

G. Chen, A. Mascaraque, H. Jia, B. Zimmermann, M. C. Robertson, R. Lo Conte, C. Ophus, A. L. Fernandes Cauduro, M. Hoffmann, M. A. Barrio, H. Ding, R. Wiesendanger, E. G. Michel, S. Bluegel, A. K. Schmid, and K. Liu, virtual - MMM Conference 2020, (USA)

2019-12-7: Bottom-up design and atomic-level characterization of Majorana states

R. Wiesendanger, Microsoft Station Q Fall Meeting, Santa Barbara (USA)

2019-12-4: Topological superconductivity and Majorana states in 1D and 2D model systems

R. Wiesendanger, Internat. Conf. on Topological Materials Science "TopoMat2019", Kyoto (Japan)

2019-12-2: Manipulation of interface-induced Skyrmions studied with STM

K. von Bergmann, British-German WE-Heraeus-Seminar, Bad Honnef (Germany)

2019-11-8: Interlayer DM coupling

E. Y. Vedmedenko, MMM 2019, Las Vegas, Nevada (USA)

2019-11-7: Magneto-Seebeck Tunneling on the Atomic Scale

C. Friesen, H. Osterhage, J. Friedlein, A. Schlenhoff, R. Wiesendanger, and S. Krause, MMM 2019, Las Vegas (USA)

2019-10-29: Interlayer DM coupling

E. Y. Vedmedenko, IEEE NMDC 2019, Stockholm (Sweden)

2019-10-23: Interfacial and topological superconductivity in 2D layers studied by spin-resolved scanning tunneling spectroscopy

R. Wiesendanger, 66th AVS International Symposium, Columbus, Ohio (USA)

2019-10-22: Nanometer-scale magnetic Skyrmions studied with STM

K. von Bergmann, Conference on Signatures of Topology in Condensed Matter, Trieste (Italy)

2019-9-20: Magnetic and superconducting vortices in nanocrystals

R. Wiesendanger, 9th Internat. Conf. on Nanoscience with Nanocrystals, NaNaX-9, Hamburg (Germany)

2019-9-17: Interface-DMI skyrmions in model-type systems studied with STM

K. von Bergmann, Skyrmionics Workshop for Young Researcher, Mainz (Germany)

2019-9-12: Damping of spin wave modes in magnetic skyrmions

L. Rózsa, J. Hagemeister, E. Y. Vedmedenko, and R. Wiesendanger, VII Euro-Asian Symposium "Trends in Magnetism" (EASTMAG-2019), Ekaterinburg (Russian Federation)

2019-9-4: Novel techniques for revealing atomic-scale properties of magnetic materials

R. Wiesendanger, 24th Soft Magnetic Materials Conference, Poznan (Poland)

2019-8-28: Vacuum resonance states as atomic-scale probes of surface magnetism

A. Schlenhoff, Joint European Magnetic Symposia (JEMS) 2019, Uppsala (Sweden)

2019-8-22: Investigation of topological properties in magnetic transition metal adatoms on superconducting Re substrate

L. Rózsa, Meeting of the Hungarian Physical Society, Sopron (Hungary)

2019-8-13: Emergence of Majorana states in engineered atomic-scale hybrid systems

R. Wiesendanger, SPIE Nanoscience & Engineering, San Diego (USA)

2019-7-29: Magnetic Dissipation from a Paramagnetic Molecule

A. Schwarz, J. Grenz, and R. Wiesendanger, NCAFM, Regensburg (Germany)

2019-7-19: Salophene on graphene, on-surface chemistry and spin polarization

M. Bazarnik, IVC-21, Malmö (Sweden)

2019-7-3: Tailoring the Spin Dynamics of Bottom-Up Constructed Nano-Scale Systems

R. Wiesendanger, Intern. Conf. on Quantum Designer Physics, San Sebastian (Spain)

2019-6-27: **Design of Majorana bound states in Engineered Atomic-Scale Superconductor-Magnet Hybrid systems**

H. Kim and R. Wiesendanger, 10th International Conference on Materials for Advanced Technologies (ICMAT) 2019, Marina Bay Sands (Singapore)

2019-6-19: **Long-range focused quasiparticle scattering through the Fermi surface on a quasi-2D superconductor**

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

2019-5-23: **Magneto-Seebeck Tunneling on the Atomic Scale**

S. Krause, Spin Caloritronics X, Groningen (The Netherlands)

2019-4-23: **Emergence of Majorana states in engineered atomic-scale hybrid systems**

R. Wiesendanger, MRS Spring Meeting, Phoenix (USA)

2019-4-9: **Yu-Shiba-Rusinov bands of artificial spin chains on high-Z superconductors**

J. Wiebe, International Focus Workshop "Bound states in superconductors and interfaces", bossa19, Dresden (Germany)

2019-3-19: **Emergence of Majorana states in engineered atomic-scale hybrid systems**

R. Wiesendanger, Workshop on "Quantum Mesoscopic Physics", La Thuile (Italy)

2019-3-15: **Design of Majorana bound states in Engineered Atomic-Scale Superconductor-Magnet Hybrid systems**

H. Kim, International Winterschool on Electronic Properties of Novel Materials (IWEPNM) 2019, Kirchberg in Tirol (Austria)

2019-2-6: **Avalanches in artificial Spin Ice**

E. Y. Vedmedenko, Frontiers in Artificial Spin Ice 2019, Bad Zurzach (Switzerland)

2019-1-23: **Emulation of spin systems via artificial arrays of magnetic atoms**

J. Wiebe, Physics@Veldhoven 2019, Veldhoven (The Netherlands)

2019-1-8: **Emergence of Majorana states in engineered atomic-scale hybrid systems**

R. Wiesendanger, Kavli ITS Workshop on "Majorana Modes in Topological Superconductors", Beijing (China)

2018-12-18: **Spinowo spolaryzowane tunelowanie do kompleksów metaloorganicznych zaadsorbowanych na modyfikowanym grafenie**

M. Bazarnik, IX Seminarium STM/AFM 2018, Zakopane (Poland)

2018-10-25: **Design of Majorana bound states in artificially constructed magnetic atom chains on elemental superconductors**

H. Kim, Korean Physical Society Fall meeting (KPS, Fall) 2018, Changwon (South Korea)

2018-9-18: **Interfacial superconductivity in 2D layers of Fe-chalcogenides on topological insulators studied by spin-resolved scanning tunneling spectroscopy**

R. Wiesendanger, E-MRS Fall Meeting 2018, Warsaw (Poland)

2018-9-17: **Site-Dependent Conformation of Fe-Phthalocyanine on Fe/W(001)**

A. Schwarz, J. Grenz, and R. Wiesendanger, NCAFM, Porvoo (Finland)

2018-9-12: **Emulation of Spin Systems via Artificial Arrays of Magnetic Atoms**

J. Wiebe, Spins on Surfaces II (SOS2), San Sebastian (Spain)

2018-9-3: **Emergent exotic states in 1D and 2D magnet-superconductor hybrid systems with atomic-level control**

R. Wiesendanger, 9th Joint European Magnetic Symposia (JEMS), Mainz (Germany)

2018-8-20: **Interface-driven chiral magnetism: from domain walls to spin spirals and magnetic skyrmions**

R. Wiesendanger, EuroTech Summer School "New Trends in Chiral Magnetism", EPFL Lausanne (Switzerland)

2018-8-16: **Majorana bound states vs. Yu-Shiba-Rusinov states in artificially constructed magnetic Fe atom-chains on superconducting Re(0001)**

H. Kim, International Workshop on Advanced Scanning Probe Microscopy (ASPM) 2018, Busan (South Korea)

2018-8-14: **From spin-resolved studies of individual molecules on surfaces towards molecular spintronics**

R. Wiesendanger, Gordon Conference on Conductivity and Magnetism in Molecular Materials, Bryant University, Rhode Island (USA)

2018-7-30: **Emulation of Spin Systems via Artificial Arrays of Magnetic Atoms**

J. Wiebe, SPSTM-7 & LTSPM-1 International Conference 2018, Nijmegen (The Netherlands)

- 2018-7-29: **Bottom-up construction and atomic-level characterization of spin chains on superconducting substrates for topological quantum computation**
R. Wiesendanger, SPSTM-7 & LTSPM-1, Nijmegen (The Netherlands)
- 2018-7-25: **Design of Majorana states in 1D and 2D model systems with atomic-level control**
R. Wiesendanger, ICN+T 2018, Brno (Czech Republic)
- 2018-7-19: **Emergent exotic states in 1D and 2D magnet-superconductor hybrid systems designed and constructed with atomic-level control**
R. Wiesendanger, Intern. Conf. on Quantum Designer Physics, San Sebastian (Spain)
- 2018-6-28: **Emulation of Spin Systems via Artificial Arrays of Magnetic Atoms**
J. Wiebe, Fuerzas y Tunel 2018, Jaca (Spain)
- 2018-6-26: **Interfacial superconductivity in 2D layers of Fe-chalcogenides on topological insulators studied by spin-resolved scanning tunneling spectroscopy**
R. Wiesendanger, Intern. Conf. on Novel 2D Materials Explored via Scanning Probe Microscopy & Spectroscopy, San Sebastian (Spain)
- 2018-6-16: **From Skyrmions to Majoranas: the impact of atomic-resolution spin-resolved microscopy and spectroscopy**
R. Wiesendanger, 47th International School & Conf. on the Physics of Semiconductors "Jaszowiec 2018", Szczyrk (Poland)
- 2018-6-13: **Creation, annihilation and dynamics of magnetic skyrmions**
R. Wiesendanger, Workshop on Non-equilibrium Transport through Nanostructures, Hamburg (Germany)
- 2018-5-22: **From spin-resolved studies of individual molecules on surfaces towards molecular spintronics**
R. Wiesendanger, 11th European School on Molecular Nanoscience, Puerto de Santiago, Tenerife (Spain)
- 2018-4-25: **Atomic-scale observation and manipulation of individual nanoscale skyrmions by local spin currents and electric fields**
R. Wiesendanger, INTERMAG 2018, Singapore-City (Singapore)
- 2018-4-23: **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, InterMag, Singapore (Singapore)
- 2018-4-10: **Bottom-up construction and atomic-level characterization of spin chains on superconducting substrates for topological quantum computation**
R. Wiesendanger, MPI - International Workshop on "New Platforms for Topological Superconductivity with Magnetic Atoms, Dresden (Germany)
- 2018-3-13: **Towards the design of Majorana bound states in artificially constructed magnetic atom chains on elemental superconductors**
R. Wiesendanger, Joint DPG and EPS-CMD Spring Meeting, Berlin (Germany)
- 2018-3-12: **Manipulation of interface-induced Skyrmions studied with STM**
K. von Bergmann, Deutsche Physikalische Gesellschaft, Berlin (Germany)
- 2018-3-5: **Electric-field-driven switching of individual magnetic skyrmions**
R. Wiesendanger, APS March Meeting, Los Angeles (USA)
- 2018-3-5: **Tailoring metallic ferromagnet heterostructures for non-collinear spin states and skyrmions**
K. von Bergmann, APS March Meeting, Los Angeles, California (USA)
- 2018-2-1: **Artificial Arrays of Magnetic Atoms: Atomic Bits, Logic Gates, and Quantum Simulators**
J. Wiebe, 2nd Otto Stern Symposium, Hamburg (Deutschland)
- 2017-12-7: **Exotic superconductivity in a monolayer of Iron-chalcogenide on a topological insulator**
A. Kamlapure, S. Manna, L. Cornils, T. Hänke, E. M. J. Hedegaard, M. Bremholm, B. B. Iversen, Ph. Hofmann, J. Wiebe, and R. Wiesendanger, SuperThin 2017, Lugano (Switzerland)
- 2017-12-6: **Bottom-up construction and atomic-level characterization of spin chains on superconducting substrates for topological quantum computation**
R. Wiesendanger, ALC'17 International Conference, Kauai, Hawaii (USA)
- 2017-11-22: **Spin-spirals in bottom-up fabricated Fe chains induced by Dzyaloshinskii-Moriya interaction**
M. Steinbrecher, K. T. That, R. Rausch, J. Hermenau, M. Potthoff, A. A. Khajetoorians, J. Wiebe, and R. Wiesendanger, 654th WE-Heraeus Seminar, Bad Honnef (Germany)

2017-11-20: **Spin-polarized tunneling to metal-organic complexes adsorbed on surfaces**

M. Bazarnik, E. Sierda, M. Elsebach, J. Brede, M. Abadia, M. Przychodnia, J. Goedecke, R. Wiesendanger, WE654, Bad Honnef (Germany)

2017-11-10: **Electric-field-driven switching of individual magnetic skyrmions**

R. Wiesendanger, 62nd MMM Conference, Pittsburgh (USA)

2017-10-31: **The exciting physics of spin chains coupled to a metallic substrate**

R. Wiesendanger, 64th AVS International Symposium, Tampa (USA)

2017-10-9: **From Skyrmions to Majoranas: Nanoscience inspired by particle physics theory**

R. Wiesendanger, PIER Graduate Week 2017, Hamburg (Germany)

2017-9-26: **Bottom-up construction and atomic-level characterization of spin chains on superconducting substrates for topological quantum computation**

R. Wiesendanger, Internat. Workshop on Exotic New States in Superconducting Devices: the Age of the Interface, Mainz (Germany)

2017-9-20: **Spin-polarized scanning field emission microscopy and spectroscopy on non-collinear spin textures and atomic-scale magnets**

A. Schlenhoff, SIMDALEE (Sources, Interaction with Matter, Detection and Analysis of Low Energy Electrons) conference, Pula (Sardinia)

2017-8-27: **Magnetic Helices and Skyrmions in Ultrathin Films**

E. Y. Vedmedenko, ECOSS 33, Szeged (Hungary)

2017-8-27: **Manipulation of interface-induced Skyrmions studied with STM**

K. von Bergmann, ECOSS 2017, Szeged (Hungary)

2017-8-9: **The exciting physics of spin chains precisely fabricated by single-atom manipulation**

R. Wiesendanger, International Summer School on Metrology, Kloster Drübeck (Germany)

2017-8-8: **Magnetic skyrmions in ultrathin films induced by hydrogenation**

R. Wiesendanger, International Workshop on Topological Structures in Ferromagnetic Materials, Leeds (United Kingdom)

2017-8-6: **Electric field induced switching of magnetic skyrmions and strain relief effects**

A. Finco, P. J. Hsu, N. Romming, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, SPIE Optics & Photonics, San Diego (USA)

2017-7-25: **Manipulation of interface-induced Skyrmions studied with STM**

K. von Bergmann, Topology Matters Workshop at SPICE, Mainz (Germany)

2017-7-19: **The exciting physics of bottom-up constructed atomic chains with non-collinear spin textures**

R. Wiesendanger, Gordon Research Conference on Spin Dynamics in Nanostructures, Les Diablerets (Switzerland)

2017-7-5: **Majorana bound states vs. Shiba states in artificially constructed magnetic Fe atom-chains on superconducting Re(0001)**

H. Kim, International Workshop on Recent Progress in Superconductivity (IWRS) 2017, Pyeongchang (South Korea)

2017-6-27: **Dynamics of Bound Monopoles in artificial Spin Ice**

E. Y. Vedmedenko, Frontiers in Artificial Spin Ice, Loch Lomond (Great Britain)

2017-6-15: **The exciting physics of spin chains coupled to a metallic substrate**

R. Wiesendanger, International Summer School on Physics at Nanoscale, Devet Skal (Czech Republic)

2017-6-14: **Magnetism on the Nanoscale: From the smallest building block units to model-type atomic-scale spintronic devices**

R. Wiesendanger, International Summer School on Physics at Nanoscale, Devet Skal (Czech Republic)

2017-6-12: **Manipulation of interface-induced Skyrmions studied with STM**

K. von Bergmann, SpinCaT, Regensburg (Germany)

2017-6-1: **The exciting physics of spin chains coupled to a metallic substrate**

R. Wiesendanger, NanoTech Poland 2017 International Conference, Poznan (Poland)

2017-5-2: **Manipulation of interface-induced Skyrmions studied with STM**

K. von Bergmann, Skymag, Paris (France)

2017-3-27: Interface-induced skyrmions investigated by spin-resolved STM

K. von Bergmann, Topological Matter - Topological Insulators, Skyrmions and Majoranas, Spring School , Jülich (Germany)

2017-3-20: Stability of interfacial skyrmions, solitons and bound monopoles: how to store energy in topological magnetic quasiparticles

E. Y. Vedmedenko, March Meeting of German Physical Society , Dresden (Germany)

2017-3-15: Dynamics of Bound Monopoles in Artificial Spin Ice: How to store energy in Dirac Strings

E. Y. Vedmedenko, March Meeting of American Physical Society , New Orleans, Louisiana (USA)

2016-12-19: Interface driven exotic states for spintronic and energy applications

R. Wiesendanger, Internat. Workshop on Technologically relevant Quantum Materials: growth, experiments and theory, Trieste (Italy)

2016-11-30: Observation and manipulation of individual nanoscale skyrmions by local spin currents and electric fields

R. Wiesendanger, MRS Fall Meeting 2016, Boston (USA)

2016-11-29: High Frequency Magnetization Dynamics of Individual Atomic-Scale Magnets

S. Krause, Kolloquium of SFB 1242, University of Duisburg-Essen, Duisburg (Germany)

2016-11-7: Manipulation of Magnetic Skyrmions with STM

Kirsten von Bergmann, American Vacuum Society (AVS), Nashville, Tennessee ()

2016-10-2: Future Nanomaterials

R. Wiesendanger, 13th Annual Meeting of Science and Technology in Society Forum, Kyoto (Japan)

2016-9-29: An SP-STM View of Antiferromagnetics: From the Smallest Building Units to Model-Type Atomic-Scale Spintronic Devices

R. Wiesendanger, Internat. Workshop on Antiferromagnetic Spintronics, Mainz (Germany)

2016-9-28: Interface-driven exotic spin and electronic states in ultrathin films

R. Wiesendanger, Internat. Workshop "Emergent Relativistic Effects in Condensed Matter", Regensburg (Germany)

2016-9-19: Magnetic Charges in Quasiperiodic Vertex Models

E. Y. Vedmedenko, International Conference on Quasicrystals ICQ13, Kathmandu (Nepal)

2016-9-13: Magnetic Sensitive Force Microscopy

A. Schwarz, 2nd German-French Summer School on noncontact atomic force microscopy, Osnabrück (Germany)

2016-9-12: Observation and manipulation of individual nanoscale skyrmions by local spin currents and electric fields

R. Wiesendanger, Internat. Workshop "From Electronic Correlations to Functionality", Kloster Irsee (Germany)

2016-9-8: Heisenberg and Dzyaloshinskii–Moriya contributions to substrate-electron mediated interactions between atoms on surfaces

J. Wiebe, Spins on Surfaces (SoS), San Sebastian (Spain)

2016-9-6: Observation and manipulation of individual skyrmions by local spin currents and electric fields

R. Wiesendanger, EPS CMD-26, Groningen (The Netherlands)

2016-9-2: Novel Interface-Induced Electronic and Spin States Revealed by Spin-Resolved Scanning Tunneling Spectroscopy

R. Wiesendanger, ICSFS-18, Chemnitz (Germany)

2016-8-30: High Frequency Magnetization Dynamics of Individual Atomic-Scale Magnets

S. Krause, SPSTM-6, Chiba (Japan)

2016-8-29: Probing Exotic States of Condensed Matter by Spin-Polarized Scanning Tunneling Microscopy

R. Wiesendanger, SPSTM-6, Chiba (Japan)

2016-8-28: Electric field driven switching of individual magnetic skyrmions

Pin-Jui Hsu, SPIE Optics+Photonics, San Diego (United States)

2016-8-23: Nanoscale Magnetic Skyrmions - A New Twist For Spintronics

R. Wiesendanger, IVC-20 / ICN+T 2016, Busan (S.-Korea)

2016-8-17: Nanoscale Skyrmions - A New Twist For Spintronics

R. Wiesendanger, Internat. Workshop on "Topological Structures in Ferriic Materials, TOPO 2016", Dresden (Germany)

2016-7-6: Novel interface-induced electronic and spin states revealed by spin-resolved scanning tunneling spectroscopy

R. Wiesendanger, 2016 Swiss Workshop on Materials with Novel Electronic Properties, Les Diablerets (Switzerland)

2016-7-4: Nanoscale Skyrmions - A New Twist For Spintronics

R. Wiesendanger, Internat. Workshop on "Topological Patterns and Dynamics in Magnetic Elements and in Condensed Matter", Dresden (Germany)

2016-7-3: Electric field driven switching of individual magnetic skyrmions

Pin-Jui Hsu, The 18th International Symposium on the Physics of Semiconductors and Applications 2016, Jeju island (South Korea)

2016-7-2: Electric field switching of skyrmions and non-collinear magnetism at room temperature investigated by STM techniques

A. Finco, P.-J. Hsu, N. Romming, T. Eelbo, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, Spin Orbit Coupling and Topology in Low Dimensions (SOCSIS 2016), Spetses (Greece)

2016-6-27: Nanoscale Magnetic Skyrmions - A New Twist For Spintronics

R. Wiesendanger, SOL-SKYMAG 2016 Conference, San Sebastian (Spain)

2016-6-23: Interface driven exotic states of nanomaterials for spintronic and energy applications

R. Wiesendanger, NanoTech Poland International Conference, Poznan (Poland)

2016-6-23: Magnetism in graphene based hybrid systems

M. Bazarnik, J. Brede, R. Decker, and R. Wiesendanger, NanoTech Poland 2016, Poznan (Poland)

2016-6-21: Magnetic Skyrmions investigated by STM

Kirsten von Bergmann, Intl. Symposium on Metallic Multilayers MML, Uppsala (Sweden)

2016-6-18: Evidence for a 2 fold symmetric superconducting gap in a monolayer of FeSe_{0.5}Te_{0.5}

A. Kamlapure, S. Manna, L. Cornils, T. Hänke, J.-L. Mi, B. B. Iversen, Ph. Hofmann, J. Wiebe, and R. Wiesendanger, Conference of Spectroscopies in Novel Superconductors, Stuttgart/Ludwigsburg (Germany)

2016-6-13: Stability of interfacial skyrmions, solitons and bound monopoles: how to store energy in topological magnetic quasiparticles

E. Y. Vedmedenko, Minisymposium on Spin Dynamics, Uppsala (Sweden)

2016-6-5: Magnetic Exchange Force Microscopy and Spectroscopy

A. Schwarz, 12th International Nanoscience and Nanotechnology Conference, Gebze (Turkey)

2016-6-2: Nanoscale Magnetic Knots - A New Twist For Spintronics

R. Wiesendanger, NANOTECH FRANCE 2016, Courbevoie (France)

2016-5-27: Nanoscale Magnetic Knots - A New Twist For Spintronics

R. Wiesendanger, Julius Springer Forum on Applied Physics, Hamburg (Germany)

2016-5-2: Single-atom magnetometry by spin-polarized STM

R. Wiesendanger, DIADEMS Summer School, Cargèse, Corsica (France)

2016-4-28: Nanowissenschaft und Nanotechnologie: Von neuen Erkenntnissen zu innovativen Anwendungen

R. Wiesendanger, Akademievorlesungsreihe "Nanotechnologie in Hamburg", Hamburg (Germany)

2016-4-26: Superconductivity in a Monolayer of Iron Based Superconductor FeSe_{0.5}Te_{0.5}

A. Kamlapure, S. Manna, L. Cornils, T. Hänke, J.-L. Mi, B. B. Iversen, Ph. Hofmann, J. Wiebe, and R. Wiesendanger, ICSM2016, Fethiye (Turkey)

2016-3-7: Excitations and dynamics of non-collinear magnetization states in tailored adatom arrays

J. Wiebe, 80th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2016-3-7: Excitations and dynamics of non-collinear magnetization states in tailored adatom arrays

J. Wiebe, 80th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2016-3-3: Topological Magnetic Skyrmions investigated by STM

Kirsten von Bergmann, Topological Phenomena in Novel Quantum Matter, Dresden (Germany)

2016-2-23: Contrast Formation on Adsorbed CO: Pauli-Repulsion vs. Dipole-Dipole Interaction

A. Schwarz, International workshop High-resolution AFM/STM imaging, Pague (Czech Republic)

2016-2-8: Chiral spin textures in ultrathin films: From fundamentals to potential applications

R. Wiesendanger, 31st Workshop on Novel Materials and Superconductivity, Obertraun (Austria)

2015-12-14: Nanoscale Magnetic Knots – A New Twist For Spintronics

R. Wiesendanger, Distinguished Lecture Series des Center for Advancing Electronics Dresden, cfaed, Dresden (Germany)

2015-11-17: From spin-resolved studies of individual molecules on surfaces towards molecular spintronics

R. Wiesendanger, International Conference on "Seeing Molecules", Rome (Italy)

2015-11-5: Non-collinear spin states induced by Dzyaloshinskii-Moriya type RKKY coupling

J. Wiebe, 598. WE-Heraeus-Seminar: Frontiers in Scanning Probe Microscopy, Bad Honnef (Germany)

2015-11-3: Spin friction: atom manipulation as a surface magnetism probe

Kirsten von Bergmann, 598. WE-Heraeus-Seminar on Frontiers in Scanning Probe Microscopy, Bad Honnef (Germany)

2015-9-24: Stability and Switching of Skyrmionic Bits

E. Y. Vedmedenko, Controlling Magnetic Nanostructures 2015, Konstanz (Germany)

2015-9-21: Artificial arrays of coupled magnetic atoms on metallic surfaces

J. Wiebe, IBM Max Planck Workshop on Spins on Surfaces, Almaden, San Jose (USA)

2015-9-8: Nano-scale skyrmions in ultrathin transition metal films and multilayers: From fundamentals to potential applications

R. Wiesendanger, 2nd Grandmaster PhD Workshop in Physics 2015, Budapest (Hungary)

2015-8-18: Tuning magnetic anisotropy, Kondo screening and Dzyaloshinskii-Moriya interaction in pairs of Fe adatoms

M. Steinbrecher, SPICE Workshop on Magnetic Adatoms as Building Blocks for Quantum Magnetism, Mainz (Germany)

2015-8-18: Revealing properties and interactions of individual magnetic adatoms and molecules by SP-STM

R. Wiesendanger, SPICE Workshop on "Magnetic Adatoms as Building Blocks for Quantum Magnetism", Schloss Waldthausen, Mainz (Germany)

2015-8-5: Stability and Switching of Skyrmionic Bits

E. Y. Vedmedenko, Colloquium of the NanoGUNE, San-Sebastian (Spain)

2015-7-29: Towards skyrmion-based devices

R. Wiesendanger, Gordon Research Conference "Spin Dynamics in Nanostructures", Hong Kong (China)

2015-7-15: Interface-induced magnetic skyrmions studied with spin-polarized STM

Kirsten von Bergmann, International Colloquium on Magnetic Films and Surfaces (ICMFS), Cracow (Poland)

2015-7-14: Nano-scale design of correlated and novel topological states and their characterization by (SP-)STM techniques

R. Wiesendanger, Internat. Workshop on "Quantum Design", Dresden (Germany)

2015-7-12: Interface-driven magnetism: from chiral domain walls to spin spirals and magnetic skyrmions

R. Wiesendanger, International Summer School "New Directions in Spintronics and Nanomagnetism", Madrid (Spain)

2015-7-7: Manipulation of magnetic skyrmions with spin-polarized STM

Kirsten von Bergmann, 20th International Conference on Magnetism, Barcelona (Spain)

2015-7-7: Field-Dependent Size and Shape of Single Magnetic Skyrmions

N. Romming, A. Kubetzka, Ch. Hanneken, K. von Bergmann, and R. Wiesendanger, 20th International Conference on Magnetism, Barcelona (Spain)

2015-7-2: Exploring Magnetism in the Nanoworld

R. Wiesendanger, Summer School "Solids4Fun", Schloss Hernstein (Austria)

2015-6-25: From chiral spin textures towards novel nano-devices based on magnetic skyrmions

R. Wiesendanger, 7th Polish Conference on Nanotechnology NANO 2015, Poznan (Poland)

2015-6-24: Inelastic and spin-resolved scanning tunneling spectroscopy on arrays of coupled magnetic adatoms

J. Wiebe, 7th International Conference on Scanning Probe Spectroscopy and Related Methods, Poznan (Poland)

2015-6-11: Complex spin states by interfacial Dzyaloshinskii-Moriya interactions: from single atoms to thin films

R. Wiesendanger, International Symposium on New Perspectives in Spintronic and Mesoscopic Physics, Tokyo, Kashiwa (Japan)

2015-6-10: Interface-induced magnetic skyrmions in ultrathin films and multilayers investigated by SP-STM

N. Romming, A. Kubetzka, Ch. Hanneken, K. von Bergmann, F. Otte, B. Dupé, S. Heinze, and R. Wiesendanger, Spin-orbit coupling in surface or interface states (SOCSIS 2015), Spetses (Greece)

2015-6-9: Exploring spins at surfaces by spin-polarized STM

R. Wiesendanger, International Workshop on New Perspectives in Spintronic and Mesoscopic Physics, Tokyo, Kashiwa (Japan)

2015-5-26: Nano-scale skyrmions in ultrathin transition metal films: From fundamentals to applications

R. Wiesendanger, Workshop on Topological Magnets, Wako, Saitama (Japan)

2015-5-20: Field-dependent Size and Shape of Single Magnetic Skyrmions

N. Romming, A. Kubetzka, Ch. Hanneken, K. von Bergmann, and R. Wiesendanger, International Workshop on Topological Structures in Ferromagnetic Materials, Sydney (Australia)

2015-5-11: Tailoring of nano-scale skyrmions by interface and strain engineering

R. Wiesendanger, E-MRS 2015 Spring Meeting, Lille (France)

2015-3-16: Interface-induced magnetic skyrmions studied with spinpolarizedSTM

Kirsten von Bergmann, 79th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-3-15: Interface-induced magnetic skyrmions studied with spin-polarized STM

K. von Bergmann, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2015-3-3: Manipulation of magnetic skyrmions with spin-polarized STM

Kirsten von Bergmann, APS March Meeting, San Antonio, Texas (USA)

2015-2-19: Tailoring ground states and dynamics of bottom-up engineered arrays of atomic spins on surfaces

J. Wiebe, International Symposium on Quantum System and Nuclear Spin Related Phenomena (QSNS2015), Miyagi (Japan)

2014-12-4: Topologically protected magnetic Helix for energy storage

E. Y. Vedmedenko, Excitations in Nanomagnetism 2014, Barcelona (Spain)

2014-12-3: Design of a fully spin-based logic gate based on metalorganic complexes

M. Bazarnik, VIII Seminar on Research Conducted Using Scanning Probe Techniques, Zakopane (Poland)

2014-11-6: 25 Years of Spin-Polarized STM: Novel Insight into Atomic-Scale Magnetism

R. Wiesendanger, 7th Internat. Symposium on Surface Science, ISSS-7, Matsue (Japan)

2014-11-4: Manipulation of magnetic skyrmions with spin-polarized STM

Kirsten von Bergmann, 59th Annual Magnetism & Magnetic Materials Conference (MMM), Honolulu, Hawaii (USA)

2014-10-28: Spintronics at the single-molecule level

R. Wiesendanger, SpinMol Conference, Ascona (Switzerland)

2014-10-26: Tailoring Ground States and Dynamics of Bottom-Up Engineered Arrays of Atomic Spins on Surfaces

J. Wiebe, Spintronics and Magnetochemistry on the Atomic and Molecular Level, Monte Verità, Ascona (Switzerland)

2014-10-7: Magnetic Energy Storage

E. Y. Vedmedenko, 2014 MMM Conference, Berkeley (USA)

2014-9-18: Addressing the Metal Centers of Single- and Multi-Spin-Center Macromolecules on Ferromagnetic Graphene Based Substrates

M. Bazarnik, B. Bugenhagen, A. Frank, J. Brede, M.H. Prosenc, and R. Wiesendanger, SFB668 Summer School: Magnetism on a Molecular Scale: Experiment and Theory, Hamburg (Germany)

2014-9-17: Spintronics at the single-molecule level

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

2014-9-11: Towards Computation with Single Skyrmions and Single Spins

R. Wiesendanger, M-SNOWS'14 Conference, Nancy (France)

2014-9-1: Atom-by-Atom Engineering of Tailored Nanomagnets and Atomic-Scale Spintronic Devices

R. Wiesendanger, Julius Springer Forum on Applied Physics, Amsterdam (The Netherlands)

2014-8-18: 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, SPIE NanoScience + Engineering, San Diego (CA, USA (SA)

2014-8-14: Towards Computation with Single Skyrmions and Single Spins

R. Wiesendanger, Internat. Conference on Low Temperature Physics, LT27, Buenos Aires (Argentina)

2014-7-28: Using single atom magnetometry to develop atom-scale spintronics

J. Wiebe, PASP VIII, Washington (USA)

2014-7-28: Complex Spin States Revealed and Locally Manipulated by 3D-Vector Resolved Spin-Polarized Tunneling Techniques

R. Wiesendanger, Internat. Conference on Nanoscale Spectroscopy, NSS-8, Chicago (USA)

2014-7-24: 25 Years of Spin-Polarized STM: From Single-Atom Magnetism to Complex Spin Textures in Nanostructures

R. Wiesendanger, Internat. Conf. on Nanoscience and Technology, ICN+T 2014, Vail, Colorado (USA)

2014-7-18: Revealing Atomic-Scale Magnetic Interactions by Spin-Polarized STM

R. Wiesendanger, SPSTM-5, Huron, Ohio (USA)

2014-7-17: Spin spirals and magnetic skyrmions studied with spin-polarized STM

Kirsten von Bergmann, 5th International Workshop on Spin-Polarized Scanning Tunneling Microscopy (SPSTM-5), Huron, Ohio (USA)

2014-7-14: Magnetic Sensitive Force Microscopy

A. Schwarz, INC Summer School "New Frontiers in Scanning Force Microscopy: From UltraHigh-Vacuum to Biological Material", Miraflores de la Sierra, Madrid (Spain)

2014-7-12: Spintronic Battery that stores energy magnetically

E. Y. Vedmedenko, International Symposium on Spin-Polarized Electron Physics and Nanomagnetism, Halle (Germany)

2014-7-9: Interface-driven skyrmions: Observation and local manipulation by spin-polarized tunneling techniques

R. Wiesendanger, Internat. Conf. on Strongly Correlated Electron Systems, SCES'14, Grenoble (France)

2014-7-7: Spin-resolved studies of individual magnetic nanostructures formed by self-assembly

R. Wiesendanger, 5th Internat. Conf. on Nanostructures Self-Assembly, NanoSEA 2014, Marseille (France)

2014-7-7: Application of string theory to the two-dimensional dipolar spin ice: how to store energy in Dirac strings?

E. Y. Vedmedenko, 7th International Conference on Frustrated Magnetism, Cambridge (UK)

2014-7-1: Spin spirals and magnetic skyrmions studied with spin-polarized STM

Kirsten von Bergmann, Intl. School on Superconductivity and Magnetism at the Nanoscale, Stuttgart (Germany)

2014-6-30: Interface-driven magnetism: from chiral domain walls to spin spirals and magnetic skyrmions

R. Wiesendanger, Moscow International Symposium on Magnetism, MISM-2014, Moscow (Russia)

2014-6-26: Topologically protected magnetic Helix for energy storage

E. Vedmedenko and D. Altwein, PM14 Conference, Poznan (Poland)

2014-6-2: Atomic LEGOs

A. A. Khajetoorians, Ameland Summer School, "Physics of single nano-objects", Ameland (The Netherlands)

2014-6-1: Probing the magnetic nature of a single atom

A. A. Khajetoorians, NEVAC Utrecht, Utrecht (Netherlands)

2014-5-13: Interface-driven skyrmions: Observation and local manipulation by spin-polarized tunneling techniques

R. Wiesendanger, 34th CNLS Annual Conference on Mesoscale Science Frontiers, Santa FÃ© (USA)

2014-4-9: Interface-driven skyrmions: Observation and local manipulation by spin-polarized tunneling techniques

R. Wiesendanger, Skymag 2014, Paris (France)

2014-4-1: Manipulating the magnetic properties of single atoms on surfaces

A. A. Khajetoorians, 78th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2014-3-14: Spintronics at the single-molecule level

R. Wiesendanger, 28th Int. Winterschool on Electronic Properties of Novel Materials: Molecular Nanostructures, Kirchberg i.T (Austria)

2014-2-25: Spin spirals and magnetic skyrmions studied with spin-polarized STM

Kirsten von Bergmann, 5th International Workshop on Advanced Scanning Probe Microscopy Techniques, Karlsruhe (Germany)

2014-2-24: Spin spirals and magnetic skyrmions studied with spin-polarized STM

K. von Bergmann, 5th International Workshop on Advanced Scanning Probe Microscopy Techniques, Karlsruhe (Germany)

2014-1-30: Manipulating complex spin textures: writing and deleting single magnetic Skyrmions

Kirsten von Bergmann, 5th-year Anniversary Nanoscience Cooperative Research Center nanoGUNE, San Sebastian (Spain)

2014-1-7: Writing and deleting single magnetic skyrmions

N. Romming, C. Hanneken, M. Menzel, J.E. Bickel, B. Wolter, K. von Bergmann, A. Kubetzka, and R. Wiesendanger, Current-driven magnetisation dynamics workshop, Leeds (England)

2013-12-12: Spintronics at the Single-Molecule Level

R. Wiesendanger, NANO SACLAY Nanoelectronics Workshop 2013, Paris (France)

2013-11-25: Nano-Scale Spintronic Devices for Logic and Memory Applications

R. Wiesendanger, Leopoldina-INSA Symposium on Nanoscience, Halle (Saale) (Germany)

2013-11-14: Magnetic Helices for All-Spin based Applications

E. Y. Vedmedenko, Mini-Symposium on Nanomagnetism at the University of Santiago de Chile, Santiago de Chile (Chile)

2013-11-12: Atomic Spin LEGOs

A.A. Khajetoorians, Heraeus Seminar, Bad Honnef, "Interactions with the Nanoworld: Local Probes with High Time, Energy and Force Resolution", Bad Honnef (Germany)

2013-11-8: Atomic-Scale Spin Friction

R. Wiesendanger, Int. Conf. on Friction and Energy Dissipation in Man-made and Biological Systems, Trieste (Italy)

2013-11-7: Current-Driven Spin Dynamics of Artificially Constructed Quantum Magnets

S. Krause, 58th Annual Conference On Magnetism And Magnetic Materials, Denver, CO (USA)

2013-11-6: Spin LEGOs – Bottom-up fabrication of model magnetic systems

A.A. Khajetoorians, ACSIN-12/ICSPM21, Tsukuba (Japan)

2013-10-30: Surface physico-chemistry analysis methods used for porous materials research

M. Bazarnik, Open lecture at Adam Mickiewicz University, Poznan (Poland)

2013-10-19: Spin LEGOs - dynamic characterization of bottom-up fabricated atomic magnets

A.A. Khajetoorians, Heraeus Seminar, Bad Honnef, "Electron Transport through Atoms, Molecules and Nanowires: Advances in Experiment and Theory", Bad Honnef (Germany)

2013-10-9: Magnetic sensitive force microscopy

Alexander Schwarz, 1st German-French Summer School on noncontact AFM, Porquerolles (France)

2013-9-23: Forces, Tips, Cantilevers and Light

Alexander Schwarz, Forces and Photons Workshop, FU Berlin, Berlin (Germany)

2013-9-12: Spin LEGOs – Bottom-up fabrication of model magnetic systems

A.A. Khajetoorians, ICN+T/IVC-19, Paris (2013)

2013-9-11: Spin spirals and magnetic skyrmions studied with spin-polarized STM

Kirsten von Bergmann, ICN+T, Paris (France)

2013-9-9: Atomically Tailored Nanomagnets and their Use for Atomic-Level Spintronics

R. Wiesendanger, 42nd Polish Physical Society Meeting, Poznan (Poland)

2013-9-5: Spintronics at the Single-Molecule Level

R. Wiesendanger, ECME 2013, London (U. K.)

- 2013-9-2: **Atomically Tailored Nanomagnets and their Use for Atomic-Level Spintronic**
R. Wiesendanger, Internat. Conf. on Nanoscale Magnetism, ICNM 2013, Istanbul (Turkey)
- 2013-8-27: **Towards Computation with Single Skyrmions and Single Spins**
R. Wiesendanger, JEMS 2013, Rhodes (Greece)
- 2013-7-17: **The Role of Surfaces and Interfaces for Nano-Scale Magnetism and Spintronics**
R. Wiesendanger, Hayashi Conference, Hayama (Japan)
- 2013-7-5: **Spin-Resolved Studies of Individual Molecules on Surfaces**
R. Wiesendanger, Laserion 2013, Tegernsee (Germany)
- 2013-6-13: **Revealing Magnetic Properties and Interactions on the Atomic Scale**
R. Wiesendanger, 42nd "Jaszowiec" Internat. School and Conference on the Physics of Semiconductors, Wisla (Poland)
- 2013-5-23: **From Magnetic Moments of Single Atoms on Surfaces to Atomic-Scale Spin Logic Devices**
A.A. Khajetoorians, Otto Stern Symposium, Hamburg (Germany)
- 2013-5-12: **Atomic-level control of the domain wall dynamics**
E. Y. Vedmedenko, International Workshop "Magnetism of Nanowires and Nanotubes", Kaub am Rhein (Germany)
- 2013-4-13: **Exploring Magnetism in the Nanoworld**
R. Wiesendanger, NanoSpain 2013, Bilbao (Spain)
- 2013-4-10: **Atomically Tailored Nanomagnets and their Use for Atomic-Level Spintronics**
R. Wiesendanger, 10th Latin American Workshop on Magnetism, Magnetic Materials and their Applications, X-LAW3M, Buenos Aires (Argentina)
- 2013-4-4: **Atomic-Scale Studies of Magnetic Oxides by Spin-Polarized STM and Magnetic Exchange Force Microscopy**
R. Wiesendanger, MRS Spring Meeting, San Francisco (USA)
- 2013-4-3: **Tailoring Ground States and Dynamics of Bottom-Up Engineered Arrays of Atomic Spins**
J. Wiebe, 2013 MRS Spring Meeting & Exhibit, San Francisco (USA)
- 2013-3-14: **Spin-polarized scanning field emission microscopy and spectroscopy**
A. Schlenhoff, 77th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)
- 2013-3-13: **Magnetization dynamics derived from excitations of single magnetic atoms on surfaces**
A.A. Khajetoorians, 77th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)
- 2013-3-13: **Gaede-Prize talk: Complex magnetic order on the atomic scale**
K. von Bergmann, 77th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)
- 2013-3-4: **Properties of frustrated low-dimensional magnets**
E. Y. Vedmedenko, Heraeus Workshop "Magnetism on curved surfaces", Bad Honnef (Germany)
- 2013-3-4: **Properties of frustrated low-dimensional magnets**
E. Y. Vedmedenko, Heraeus Workshop "Magnetism on curved surfaces", Bad Honnef (Germany)
- 2013-2-11: **Magnetic Exchange Force Microscopy and Spectroscopy – A Novel Technique to Study Magnetism with Atomic Resolution**
A. Schwarz, Towards Reality in in Nanomaterials, Levi (Finland)
- 2013-1-21: **Recent Developments in Interface-Driven Magnetism**
R. Wiesendanger, 40th Conference on the Physics and Chemistry of Surfaces and Interfaces, PCSI-40, Waikoloa, Hawaii (USA)
- 2013-1-16: **Atomically Tailored Nanomagnets and their Use for Atomic-Level Spintronics**
R. Wiesendanger, 12th Joint MMM - Intermag Conference, Chicago (USA)
- 2013-1-15: **Current-driven spin dynamics of artificially constructed quantum magnets**
A.A. Khajetoorians, MMM/InterMag, Chicago (USA)
- 2012-12-7: **Real-space observation of spin-split molecular orbitals of adsorbed single-molecule magnets**
R. Wiesendanger, 6th Internat. Meeting on Molecular Electronics ElecMol'12, Grenoble (France)

2012-11-8: Tailoring nanomagnetism atom by atom

A.A. *Khajetoorians*, Fabrication and Properties of Nanostructures, Alicante (Spain)

2012-9-11: Tailoring ground states and dynamics of bottom-up engineered nanomagnets

J. *Wiebe*, 6th International Conference on SPS and 4th International Workshop on SP-STM, Timmendorfer Strand (Germany)

2012-9-5: Imaging and Manipulating Single and Interacting Spins on Surfaces: Towards Atomic-Scale Spintronic Devices

R. *Wiesendanger*, CMD-24 and ECOSS-29, Edinburgh (U. K.)

2012-8-27: Atom-by-Atom Engineering of Tailored Nanomagnets

R. *Wiesendanger*, 11th Int. Conf. on Nanostructured Materials, NANO 2012, Rhodes (Greece)

2012-7-23: Atom-by-Atom Engineering of Tailored Nanomagnets and Atomic-Scale Spintronic Devices

R. *Wiesendanger*, Internat. Conf. on Nanoscience and Technology, ICN+T 2012, Paris (France)

2012-7-15: Exploring Magnetism in the Nanoworld

R. *Wiesendanger*, Public Lecture, Harbin (China)

2012-7-11: From Single-Atom Magnetometry to Tailored Nanomagnets and Atomic-Scale Spintronic Devices

R. *Wiesendanger*, 19th Internat. Conf. on Magnetism, ICM 2012, Busan (S.-Korea)

2012-7-10: Prospects of Magnetic Exchange Force Microscopy and Spectroscopy

A. *Schwarz*, International Conference on Nanoscience + Technology 2012, Paris (France)

2012-7-3: Tailoring ground states and dynamics of bottom-up engineered nanomagnets

J. *Wiebe*, 7th international workshop on nano-scale spectroscopy and nanotechnology (NSS-7), ETHZ and PSI, Zürich (Switzerland)

2012-7-2: Magnetricity in Quasicrystals

E. Y. *Vedmedenko*, International Conference on Mathematics of Distances and Applications, Varna (Bulgarien)

2012-6-26: Magnetricity in Quasicrystals

E. Y. *Vedmedenko*, Journées complexité et désordre, Paris (France)

2012-6-25: From Model-Type Nanomagnets to Atomic Spin Logic Devices

R. *Wiesendanger*, 4th Internat. Conf. on Nano-Structures Self-Assembly, S. Margherita di Pula, Sardinia (Italy)

2012-5-30: Atomic-level control of the domain wall dynamics

E. Y. *Vedmedenko*, International Symposium on the dynamics of domain walls, Hamburg (Germany)

2012-5-29: Properties of frustrated low-dimensional magnets with pentagonal symmetry

E. Y. *Vedmedenko*, International Workshop on 'Statistical Physics and Low Dimensional Systems', Nancy (France)

2012-5-29: Single-Atom Magnetometry

R. *Wiesendanger*, Summer School of Metrology 2012, Burg Warberg (Germany)

2012-5-16: Magnetic Exchange Force Microscopy and Spectroscopy

A. *Schwarz*, Physics Boat 2012 "Atomic structure of nanosystems from first-principles simulations and microscopy experiments", Helsinki, Stockholm (Finland, Sweden)

2012-5-4: From Single-Atom Magnetometry to Tailor-Made Magnets and Atomic-Scale Spintronic Devices

R. *Wiesendanger*, 3rd Internat. Conf. on Superconductivity and Magnetism, Istanbul (Turkey)

2012-4-23: Atom-by-Atom Engineering of Tailored Nanomagnets and Atomic-Scale Spintronic Devices

R. *Wiesendanger*, 3rd Nordic Workshop on Spintronics and Nanomagnetism, Varberg (Sweden)

2012-4-10: Atom-by-Atom fabrication and magnetometry of model magnetic systems

J. *Wiebe*, 1st international workshop on scanning probe microscopies, laboratory of advance microscopies (LMA), Zaragoza (Spain)

2012-4-3: Von der Nanophysik zu atomaren Bauelementen

R. *Wiesendanger*, 103. MNU Bundeskongress, Freiburg i. Brsg (Germany)

2012-3-29: Spin-current manipulation of atomic-scale magnets using SP-STM

S. Krause, 76th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-3-26: Spin LEGOs

A. A. Khajetoorians, 76th Spring Conference Deutsche Physikalische Gesellschaft, Berlin (Germany)

2012-2-12: Towards Atom-by-Atom Engineering of Tailored Nanomagnets and Atomic Spin Logic Devices

R. Wiesendanger, 17th Winter-School on New Developments in Solid State Physics, Mauterndorf (Austria)

2011-12-7: Real Space Imaging of Magnetic Nanostructures

A. Schwarz, IOP Workshop "Nanomaterials: Characterisation, Simulation and Application meeting", London (United Kingdom)

2011-11-30: Multipolar Approach for Large-Scale Simulations of Magnetic Arrays

E. Y. Vedmedenko, International Symposium on High Performance Computing in Nano-Spintronics, Hamburg (Germany)

2011-11-28: Magnetometry of Single Atoms and Bottom-Up Nanostructures using Spin-Polarized Scanning Tunneling Spectroscopy

J. Wiebe, 493. WE-Heraeus-Seminar, Bad Honnef (Germany)

2011-11-28: Complex magnetic structures on the atomic scale revealed by spin-polarized STM

Kirsten von Bergmann, 493. WE-Heraeus-Seminar on Scanning Probe Techniques, Bad Honnef (Germany)

2011-10-30: Manipulation of magnetic domain walls in nanowires and nanoparticles

E. Y. Vedmedenko, 56th International Conference on Magnetism and Magnetic Materials, Scottsdale, Arizona (USA)

2011-10-29: Magnetic Exchange Force Microscopy and Spectroscopy

A. Schwarz, 493. WE-Heraeus-Seminar on "Latest Developments in Scanning Probe Techniques focused on Nanotechnology", Bad Honnef (Germany)

2011-10-27: Computing with Atoms on Surfaces: Towards Atomic Spin Logic Devices

R. Wiesendanger, SLOANO 2011, Ljubljana (Slovenia)

2011-10-14: Spin-Resolved Scanning Tunneling Microscopy Study of Metalorganic Molecule-Surface Interaction with Intramolecular Resolution

R. Wiesendanger, 3rd TMS Workshop on Spectroscopic Characterization, Burgstädt (Germany)

2011-9-28: Bottom-up engineering and magnetometry of model nanomagnets by spin-resolved scanning tunneling microscopy

J. Wiebe, 4th Nanospintronics network meeting, Fagerudd (Sweden)

2011-9-28: Spin mapping and manipulation at the nanoscale

G. Herzog, 1st International School on Surface Science "Technologies and Measurements on Atomic Scale", Veliky Novgorod (Russia)

2011-9-8: Towards Atomic-Spin Based Computation: Realizing Logic Operations Atom by Atom.

J. Wiebe, International Conference on Energy-Aware High Performance Computing, Hamburg (Germany)

2011-9-1: Computing with Atoms on Surfaces: Towards Atomic Spin Logic Devices

R. Wiesendanger, ECOSS-28, Breslau (Poland)

2011-8-23: Correlation Effects in Single-Atom Spectroscopy by STM and SPSTM

R. Wiesendanger, Nordic Conference on Correlated Electron Systems, Strömsberg (Sweden)

2011-8-14: Skyrmion Lattices

E. Y. Vedmedenko, International conference on Special Functions and their Applications, Decin (Czech Republic)

2011-7-29: Magnetic dopants in semiconductors

J. Wiebe, SPIRE-Workshop "The Spin Triangle", Hamburg (Germany)

2011-7-6: Spin Excitation and Magnetometry of Artificial Nanostructures Built Atom by Atom.

J. Wiebe, Workshop on "Novel Trends in Optics and Magnetism of Nanostructures", Augustow (Poland)

2011-7-4: Spin-based Logic Operations at the Atomic Level

R. Wiesendanger, 5th Polish Conference on Nanotechnology NANO 2011, Gdansk (Poland)

2011-7-2: High switching frequency of magnetic nanoparticles

E. Y. Vedmedenko, International Workshop on Novel Trends in Optics and Magnetism of Nanostructures, Augustow (Poland)

2011-6-27: Imaging and Manipulating Single and Interacting Spins on Surfaces: Towards Atomic-Scale Spin Devices

R. Wiesendanger, Internat. Workshop on Magnetoelectric Composites and Future Biomagnetic Interfaces, Kiel (Germany)

2011-6-20: Computing with Atoms: Towards Atomic Spin Logic Devices

R. Wiesendanger, Internat. Scanning Probe Microscopy Confer. ISPM 2011, Munich (Germany)

2011-5-31: Spin-Resolved Scanning Tunneling Microscopy Study of Metalorganic Molecule-Surface Interaction with Intramolecular Resolution

R. Wiesendanger, Internat. Workshop on Functional Metalorganics, Uppsala (Sweden)

2011-5-27: Spin Spiral States in Low-dimensional Magnets Studied by Low-Temperature Spin-Polarized Scanning Tunneling Spectroscopy

R. Wiesendanger, Internat. Workshop on Spin Chirality and Dzyaloshinskii-Moriya Interaction, St. Petersburg (Russia)

2011-5-23: Spin Spiral States in Low-dimensional Magnets Studied by Low-Temperature Spin-Polarized Scanning Tunneling Spectroscopy

R. Wiesendanger, Internat. Conf. on Novel Phenomena in Frustrated Systems, Santa Fé (USA)

2011-4-13: Atomic Spin Logic Devices

R. Wiesendanger, Internat. Workshop on Atomic and Molecular Level Devising of Functional Nanostructures for Magnetic and Catalytic Applications, Zakopane (Poland)

2011-3-24: Detecting excitation and magnetization of individual dopants in a semiconductor two-dimensional electron gas

J. Wiebe, 2011 APS March Meeting, Dallas, Texas (USA)

2011-3-23: Realizing Spin Logic Atom by Atom

A. A. Khajetoorians, 2011 APS March Meeting, Dallas, Texas (USA)

2011-3-22: Imaging and Manipulating Single and Interacting Spins on Surfaces: Towards Atomic-Scale Spin Devices

R. Wiesendanger, APS March Meeting 2011, Dallas (USA)

2011-3-2: Critical Temperatures of Finite Samples at Finite Observation Times

E. Y. Vedmedenko, International Workshop "Open Statistical Physics", Open University, Milton Keynes (UK)

2011-2-28: Probing Magnetic Exchange Interactions and Forces on the Atomic Scale

R. Wiesendanger, 2nd International Workshop on Advanced Atomic Force Microscopy Techniques, Karlsruhe (Germany)

2011-2-11: Atomic Spin Logic Devices

R. Wiesendanger, 5th International Conference on Advanced Materials and Nanotechnology, AMN-5, Wellington (New Zealand)

2011-2-10: Probing Spins Atom-by-Atom: 20 Years of Spin-Polarized Scanning Tunneling Microscopy

R. Wiesendanger, 5th International Conference on Advanced Materials and Nanotechnology, AMN-5, Wellington (New Zealand)

2011-1-25: Imaging and Manipulating Single and Interacting Spins on Surfaces: Towards Atomic-Scale Spin Devices

R. Wiesendanger, International Symposium on Deposition and Characterization of Nanomagnets on Surfaces, Bielefeld (Germany)

2010-12-15: Non-Collinear Magnetic Order in Nanostructures Investigated by Spin-Polarized Scanning Tunneling Microscopy

O. Pietzsch, R. Wiesendanger, International Conference on Nano Materials and Nano Technology, Tiruchengode (India)

2010-12-7: Kagome Spin Ice

E. Vedmedenko, Seminar of the Centre of mathematical research, Montréal (Canada)

2010-11-18: Imaging magnetic interactions in nanostructures built from individual adatoms.

J. Wiebe, A.A. Khajetoorians, F. Meier, L. Zhou, B. Chilian, S. Lounis, S. Schuwalow, E.Y. Vedmedenko, S. Blügel, P.H. Dederichs, F. Lechermann and R. Wiesendanger, 55th Annual Conference on Magnetism and Magnetic Materials, Atlanta, Georgia (USA)

2010-11-11: In-situ Scanning Probe Microscopy, Spectroscopy, and Manipulation with Atomic Resolution and Sensitivity at Variable Temperatures and Magnetic Fields

R. Wiesendanger, Workshop on "Understanding Materials Using In-Situ Microscopy", Göttingen (Germany)

2010-11-10: **Modulated Magnetostatic Patterns in Nanosystems**

E. Vedmedenko, Cold Atoms Seminar Series, Birmingham (Great Britain)

2010-10-20: **Atomic-Resolution Spin Mapping by Exploiting Magnetic Exchange Forces**

R. Wiesendanger, AVS 2010, Albuquerque (USA)

2010-10-15: **Atomic Spin Logic Devices**

R. Wiesendanger, Oak Ridge National Laboratory (Discovery Lecture), Oak Ridge (USA)

2010-10-10: **Spin-Dependent Tunneling through a Single Molecule with Intramolecular Resolution**

R. Wiesendanger, 12th International Conference on Molecule-Based Magnets ICMM 2010, Beijing (China)

2010-10-9: **Detecting excitation and magnetization of individual dopants in a semiconductor**

J. Wiebe, 15th International Conference on Solid Films and Surfaces (ICSFS-15), Beijing (China)

2010-9-30: **Spin Mapping, Spin Manipulation, and Magnetometry at the Atomic Level**

R. Wiesendanger, International Conference on Nanoscale Magnetism, ICNM 2010, Gebze (Turkey)

2010-9-22: **Magnetic Imaging and Excitation of Nanostructures Built from Individual Atoms**

J. Wiebe, 3rd Nordforsk Nanospintronics Workshop, Norköping (Sweden)

2010-9-20: **Real-Space mapping of Landau quantization in a two-dimensional disordered system**

K. Hashimoto, C. Sohrmann, J. Wiebe, T. Inaoka, F. Meier, Y. Hirayama, R. A. Römer, R. Wiesendanger, and M. Morgenstern, 7th International Workshop on Disordered Systems, Puebla (Mexico)

2010-9-14: **Spin Mapping, Spin Manipulation, and Magnetometry at the Atomic Level**

R. Wiesendanger, 10th Int. Conference on Nanostructured Materials NANO 2010, Rome (Italy)

2010-9-13: **Multidimensional Characterization at the Nanometer Scale by Scanning Probe Methods**

R. Wiesendanger, E-MRS 2010 Fall Meeting, Warsaw (Poland)

2010-9-1: **Real-Space Observation of Quantum Hall Transition**

K. Hashimoto, J. Wiebe, T. Inaoka, Y. Hirayama, R. A. Römer, R. Wiesendanger, and M. Morgenstern, The Horiba-19th International Conference on "The Application of High Magnetic Fields in Semiconductor Physics and Nanotechnology" HMF-19, Fukuoka (Japan)

2010-8-31: **Spin Mapping, Spin Manipulation, and Magnetometry at the Atomic Level**

R. Wiesendanger, EPS-CMD23, Warsaw (Poland)

2010-8-27: **Spin Mapping, Spin Manipulation, and Magnetometry at the Atomic Level**

R. Wiesendanger, IVC-18 and ICN+T 2010, Beijing (China)

2010-8-19: **Spin-Polarized Scanning Tunneling Microscopy and Spectroscopy at the Atomic Scale**

R. Wiesendanger, SPSTM-3, Seoul (South-Korea)

2010-7-26: **Vortex and Skyrmion Lattices on Periodic and Aperiodic Tilings**

E. Vedmedenko, XXVIII. International Colloquium on Group-Theoretical Methods in Physics, New-Castle (Great Britain)

2010-7-9: **Probing magnetic exchange forces on the atomic scale**

R. Wiesendanger, Laserion 2010, Schloß Ringberg, Tegernsee (Germany)

2010-7-8: **Atomic-resolution spin mapping and magnetometry at the atomic level**

R. Wiesendanger, World Wide Magnetic Resonance Conference 2010, Florence (Italy)

2010-6-29: **Exploring the spin in the nanoworld**

R. Wiesendanger, 4th National Nanotechnology Conference NANO 2010, Poznan (Poland)

2010-6-18: **Spin- and energy-dependent tunneling through single Phthalocyanine molecules with intramolecular spatial resolution**

J. Brede, European Symposium on NANOSPINTRONICS, Hamburg (Germany)

2010-6-17: **Imaging magnetic interactions in nanostructures built from individual adatoms**

J. Wiebe, European Symposium on Nanospintronics, Hamburg (Germany)

2010-6-17: **Single atom spin detection of quantum magnets embedded in a semiconductor**

A. *Khajetoorians*, European Symposium on Nanospintronics, Hamburg (Germany)

2010-6-17: **Probing Magnetic Exchange Interactions with Atomic Resolution**

A. *Schwarz*, European Symposium on "NANOSPINTRONICS", Hamburg (Germany)

2010-6-17: **Crossover Temperatures of Finite Samples at Finite Observation Times**

E. *Vedmedenko*, European Symposium on Nanospintronics, Hamburg (Germany)

2010-6-10: **SPM-based nanofabrication and analysis of atomic-scale magnetic systems**

R. *Wiesendanger*, 12th International Ceramics Congress, Montecatini Terme (Italy)

2010-5-27: **Spin mapping, spin manipulation, and magnetometry on the atomic scale**

R. *Wiesendanger*, International Conference on Trends in Spintronics and Nanomagnetism, Lecce (Italy)

2010-5-7: **Spin mapping, spin manipulation, and magnetometry at the atomic level**

R. *Wiesendanger*, 2nd Nordic Workshop on Spintronics and Nanomagnetism, Gimo Herrgård (Sweden)

2010-4-27: **Spin mapping and magnetometry on the atomic scale**

R. *Wiesendanger*, International Conference on Superconductivity and Magnetism ICSM 2010, Antalya (Turkey)

2010-4-15: **Oxides, molecules and magnetism: What can be achieved with atomic force microscopy?**

A. *Schwarz*, COST Workshop "Imaging of molecules, defects and oxide surfaces", Graz (Austria)

2010-3-25: **Spin-dependent tunneling through a single molecule with intramolecular resolution**

R. *Wiesendanger*, 74th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2010-3-1: **Recent Developments in the Field of Magnetic Exchange Force Microscopy**

A. *Schwarz*, Advanced Atomic Force Microscopy Techniques, KIT, Karlsruhe (Germany)

2010-2-22: **Spin mapping and magnetometry down to the atomic level**

R. *Wiesendanger*, Winter-School on New Developments in Solid State Physics, Mauterndorf (Austria)

2010-2-15: **Phase Transitions in Finite Samples at Finite Observation Times**

E. *Vedmedenko*, International Workshop on Confinement and Phase Transitions, Stockholm (Sweden)

2010-1-28: **Magneto and electrostatic interactions in dense Nanoarrays**

E. *Vedmedenko*, Physikalischer Kolloquium, Düsseldorf (Germany)

2010-1-7: **Probing complex spinstructures at surfaces**

K. *von Bergmann*, 449. WE-Heraeus-Seminar, Bad Honnef (Germany)

2009-11-30: **Ultimate Spatial Resolution of Spin Structures: From Magnetic Vortex Cores to Individual Atoms.**

J. *Wiebe*, 3rd International Symposium on Vortex Dynamics, Hamburg (Germany)

2009-11-30: **Perspectives of Magnetic Exchange Force Microscopy**

R. *Wiesendanger*, MRS'09 Fall Meeting, Boston (USA)

2009-11-8: **Spin Physics of Insulators revealed by Magnetic Exchange Force Microscopy**

R. *Wiesendanger*, CNR School on "Spin Physics in Materials", Chiavari (Italy)

2009-11-7: **Spin Physics of Metallic Nanostructures revealed by Spin-Polarized Scanning Tunneling Microscopy**

R. *Wiesendanger*, CNR School on "Spin Physics in Materials", Chiavari (Italy)

2009-10-15: **Magnetic Sensitive Magnetic Force Microscopy**

A. *Schwarz*, International Workshop "Simultaneous STM/AFM measurements using tuning fork based sensors", Prague (Czech Republic)

2009-9-24: **Atomic scale mapping of magnetic interactions in adatom nanostructures**

J. *Wiebe*, 10th International Conference on Atomically Controlled Surfaces, Interfaces and Nanostructures (ACSIN 10), Granada (Spain)

2009-9-20: **Artificially structured nanomagnets: Perspectives of nano-spintronics**

R. *Wiesendanger*, International Conference "Nanostructures at Surfaces", Ascona (Switzerland)

2009-9-16: Atomic and molecular spintronics based on spin-polarized STM

R. Wiesendanger, 16th International Summer School "Spin Transport and Dynamics in Nanostructures", Madrid (Spain)

2009-9-15: Magnetic exchange force microscopy: A novel approach towards atomic-scale magnetism of insulators

R. Wiesendanger, 16th International Summer School "Spin Transport and Dynamics in Nanostructures", Madrid (Spain)

2009-8-30: Two-dimensional Mott-Hubbard insulators on semiconductor surfaces

S. Modesti, H. Gutzmann, J. Wiebe, and R. Wiesendanger, European Conference on Surface Science (ECOSS-26), Parma (Italy)

2009-7-23: Atomic Scale Mapping of Magnetism in Adatom Nanostructures

J. Wiebe, L. Zhou, S. Lounis, E. Y. Vedmedenko, F. Meier, P. H. Dederichs, S. Blügel, and R. Wiesendanger, 20th International Colloquium on Magnetic Films and Surfaces (ICMFS 2009), Berlin (Germany)

2009-7-21: New Developments in the Field of Magnetic Exchange Force Microscopy

A. Schwarz, 5th International Symposium on Scanning Probe Spectroscopy and Related Methods (SPS 09), Wasowo (Poland)

2009-7-20: Using Single-Atom Magnetization Curves to Study Interactions on the Atomic Scale

J. Wiebe, L. Zhou, S. Lounis, E. Y. Vedmedenko, F. Meier, P. H. Dederichs, S. Blügel, and R. Wiesendanger, 5th International Symposium on Scanning Probe Spectroscopy and Related Methods (SPS 09), Wasowo (Poland)

2009-4-21: Nanotechnology – gateway to a better world?

R. Wiesendanger, Public Lecture to "The Academic City – Poznan", Poznan (Poland)

2009-3-6: New horizons in nanomagnetism by spin-sensitive scanning probe methods

R. Wiesendanger, EMPA - Symposium "Headways in Material Science", Zürich (Switzerland)

2009-2-19: Static and dynamic investigations of nanoscale magnets at the ultimate spatial resolution limit

R. Wiesendanger, DESY - VIII. Research Course on New X-ray Sciences, Hamburg (Germany)

2009-2-17: Infrastructure for Nanoscience

R. Wiesendanger, 1st Russian-German Workshop on the Development and Use of Accelerator-Driven Photon Sources, Berlin (Germany)

2009-1-21: Advances in Magnetic Sensitive Force Microscopy

A. Schwarz, 1st Global COE International Symposium "Electronic Devices Innovation", Osaka (Japan)

2008-12-3: Perspectives of Nano-Spintronics

R. Wiesendanger, Rusnanotech '08, Moscow (Russia)

2008-11-27: STM investigation of Phthalocyanines

G. Hoffmann, Quantum Simulations for Atomically Controlled Fabrication Technology, Osaka (Japan)

2008-11-11: 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, 53rd Annual Conference on Magnetism and Magnetic Materials, Austin, Texas (USA)

2008-10-20: Complex magnetic order on the atomic scale revealed by spin-polarized STM

K. von Bergmann, 55th Intl. Symposium of the American Vacuum Society, Boston (USA)

2008-9-25: Spin mapping on the atomic scale

R. Wiesendanger, ÖPG-Jahrestagung, Leoben (Austria)

2008-9-14: Simulations in Magnetism

E. Vedmedenko, Frontiers in Modern Magnetism: Magnetic Phase Transitions, Joint Swedish-German Summer School, Nässlingen (Sweden)

2008-9-4: Spin mapping on the atomic scale

R. Wiesendanger, 14th European Microscopy Congress, Aachen (Germany)

2008-9-1: Spin mapping on the atomic scale

R. Wiesendanger, 14th European Microscopy Congress, Aachen (Germany)

2008-9-1: Complex magnetic order on the atomic scale revealed by spin-polarized STM

K. von Bergmann, Gordon Research Conference on Magnetic Nanostructures, Aussois (France)

- 2008-8-12: **Oscillatory Magnetic Exchange Coupling at the Atomic Level Revealed from Single-Atom Magnetization Curves**
L. Zhou, F. Meier, J. Wiebe, and R. Wiesendanger, 25th International Conference on Low Temperature Physics, Amsterdam (The Netherlands)
- 2008-8-5: **Mapping Atomic-Scale Spin Structures on Insulators by Magnetic Exchange Force Microscopy**
A. Schwarz and R. Wiesendanger, 9th International Conference on the Structure of Surfaces (ICSOS-9), Salvador (Brazil)
- 2008-7-31: **Current-Induced Magnetization Switching with a Spin-Polarized Scanning Tunneling Microscope**
S. Krause, European Conference on Surface Science (ECOSS 2008), Liverpool (UK)
- 2008-7-21: **Probing Single-Atom Magnetization Curves by Subkelvin Spin-Polarized STS**
J. Wiebe, F. Meier, L. Zhou, and R. Wiesendanger, International Conference on Nanoscience and Technology, Keystone, Colorado (USA)
- 2008-7-21: **Magnetic Exchange Force Microscopy**
A. Schwarz, International Conference on Nanoscience and Technology, Keystone, Colorado (USA)
- 2008-7-16: **Current-Induced Magnetization Switching with a Spin-Polarized Scanning Tunneling Microscope**
S. Krause, NSS5/SP-STM2, Athens, Ohio (USA)
- 2008-7-15: **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)
- 2008-7-13: **Complex magnetic structures on the atomic scale revealed by spin-polarized STM**
K. von Bergmann, Spin helicity and chirality in superconductor and semiconductor nanostructures, Karlsruhe (Germany)
- 2008-7-2: **Complex magnetic order on the atomic scale revealed by spin-polarized STM**
K. von Bergmann, XI-th Symposium on Surface Physics, Prague (Czech Republic)
- 2008-6-30: **Spin mapping and spin manipulation on the atomic scale**
R. Wiesendanger, Workshop on "High temporal and spatial resolution studies of magnetic nanostructures", Augustów (Poland)
- 2008-6-28: **Spin mapping and spin manipulation on the atomic scale**
R. Wiesendanger, Workshop on "High temporal and spatial resolution studies of magnetic nanostructures", Augustów (Poland)
- 2008-6-27: **Quantized Spin Waves in Antiferromagnetic Systems**
E. Vedmedenko, International Workshop on High temporal and spatial resolution studies of magnetic nanostructures, Augustów (Poland)
- 2008-6-5: **How a Flux Line Lattice Melts: A Real Space Visualization by Magnetic Force Microscopy on Bi2212**
A. Schwarz, M. Liebmann, and R. Wiesendanger, NES Workshop "Probing Superconductivity at the nanoscale", Alicante (Spain)
- 2008-5-14: **Magnetism at the atomic scale by Scanning Probe Techniques**
K. von Bergmann, Summer School on Creating and Analyzing Surfaces and Nanoscale Materials, Sant Feliu de Guixols (Spain)
- 2008-5-7: **Magnetism investigated by spin-polarized scanning tunneling microscopy**
A. Kubetzka, National Conference on Condensed Matter Physics, Aguas de Lindoia (Brazil)
- 2008-5-6: **Mapping atomic-scale spin structures on insulators by magnetic exchange force microscopy**
R. Wiesendanger, Intermag '08, Madrid (Spain)
- 2008-4-23: **Oscillatory magnetic exchange coupling at the atomic level: a direct real space study by a sub-Kelvin spin-polarized STM**
R. Wiesendanger, 1st Nordic Workshop on Spintronics and Nanomagnetism, Gimo Herrgård (Sweden)
- 2008-3-11: **Current-Induced Magnetization Switching with a Spin-Polarized Scanning Tunneling Microscope**
S. Krause, 2008 APS March Meeting, New Orleans, Louisiana (USA)
- 2008-3-10: **Subkelvin spin polarized STM: measuring magnetization curves of individual adatoms**
J. Wiebe, 2008 APS March Meeting, New Orleans, Louisiana (USA)
- 2008-3-10: **Scanning Probe Microscopy for spin mapping and spin manipulation on the atomic scale**
R. Wiesendanger, 2008 APS March Meeting, New Orleans, Louisiana (USA)
- 2008-3-5: **Atom-resolved spin mapping at surfaces of single crystals and thin films**
R. Wiesendanger, 16. Jahrestagung der Deutschen Gesellschaft für Kristallographie DGK 2008, Erlangen (Germany)

2008-2-26: New horizons in nanoscale magnetism: Fundamentals and applications

R. Wiesendanger, Int. Conf. on Nanoscience and Nanotechnology 2008, Melbourne (Australia)

2008-2-18: Nanoscience studies based on scanning probe microscopy

R. Wiesendanger, Russian-German Workshop, Kurchatov Institute, Moscow (Russia)

2008-2-5: Spin mapping and spin manipulation on the atomic scale

R. Wiesendanger, Int. Conf. on Computational Materials Science, Morelos (Mexico)

2008-2-5: Magnetism at the atomic scale by Scanning Probe Techniques

K. von Bergmann, Winter Conference on Condensed Matter 2008, Aspen (2008)

2008-2-3: Modulated Multipolar Structures on Frustrated Lattices

E. Vedmedenko, International Conference on Computation of Materials, Cocoyoc (Mexico)

2007-11-13: Spin mapping on the atomic scale

R. Wiesendanger, ACSIN-9, Tokyo (Japan)

2007-11-6: Magnetic Exchange Force Microscopy with Atomic Resolution

U. Kaiser, 52nd Magnetism and Magnetic Materials Conference, Tampa (Florida) (USA)

2007-10-26: Of antiferromagnetic iron, spiraling spins, and switching magnetic islands: New frontiers in spin-polarized scanning tunneling microscopy.

O. Pietzsch, Workshop on Scanning Probe Microscopy and Spectroscopy, Bilateral Scientific Collaboration Flanders - Russia, Leuven (Belgium)

2007-10-24: MExFM - A New Force Microscopy Based Technique to Study Atomic Scale Magnetism

A. Schwarz, EAST 2007, Nice (India)

2007-10-14: Modulated Multipolar Structures on Two-Dimensional Tilings

E. Y. Vedmedenko, Quasicrystals: The Silver Jubilee, Tel-Aviv (Israel)

2007-9-27: Les nanosciences dans l'Europe de la Recherche: la demande en infrastructures, les challenges pour la formation interdisciplinaire et pour la popularisation de la science

R. Wiesendanger, Journées Nanosciences & Nanotechnologies, Paris (France)

2007-9-16: Lecture: Magnetic Sensitive Force Microscopy

A. Schwarz, 10th International Conference on Non-Contact Atomic Force Microscopy, NC-AFM 2007, Antalya (Turkey)

2007-9-14: Spin mapping on the atomic scale

R. Wiesendanger, 3rd Int. Workshop "Nanostructures on Surfaces, Polanica Zdrój (Poland)

2007-8-2: Complex magnetic structures on the atomic scale revealed by spin-polarized STM

Kirsten von Bergmann, Workshop on atomic/molecular manipulation and spectroscopy using scanning probe techniques, Osaka (Japan)

2007-7-5: Novel nanomagnetic states of matter revealed by magnetic tunneling and exchange force measurements

R. Wiesendanger, Laserion 2007, Schloß Ringberg (Germany)

2007-7-4: Mapping spin structures on the atomic scale

R. Wiesendanger, ICN + T 2007 and IVC-17, Stockholm (Sweden)

2007-7-2: Mapping spin structures on the atomic scale

R. Wiesendanger, ICMAT 2007, Singapore (Singapore)

2007-6-5: Mapping spin structures on the atomic scale

R. Wiesendanger, Leuven Nano-Conference 2007, Leuven (Belgium)

2007-3-29: Complex magnetic structures on the atomic scale revealed by spin-polarized STM

K. von Bergmann, 71st Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2007-3-7: Magnetic Exchange Force Microscopy

A. Schwarz, APS Spring Meeting 2007, Denver, CO (USA)

2007-2-14: Spin-resolved scanning probe microscopy with atomic resolution: principles and applications to novel materials

R. Wiesendanger, 22nd Workshop on Novel Materials and Superconductivity, Donnersbach (Austria)

2007-2-8: Real Space Imaging of Nanoscale Co Islands on Cu(111) by Spin Polarized Scanning Tunneling Spectroscopy

O. Pietzsch, A. Kubetzka, M. Bode, and R. Wiesendanger, Workshop Nanoscale Materials: Growth, Dynamics, Magnetism. 17th User meeting of the European Synchrotron Radiation Facility, Grenoble (France)

2007-1-24: New horizons in nanomagnetism by atomic-scale magnetic SPM probing

R. Wiesendanger, nanoPHYS '07, Tokyo (Japan)

2007-1-5: Static and Dynamic Properties of Complex Magnetic Structures

M. Bode, M. Heide, K. von Bergmann, P. Ferriani, S. Heinze, G. Bihlmayer, A. Kubetzka, O. Pietzsch, S. Blügel, and R. Wiesendanger, 381th WE-Heraeus-Seminar "Spin-Polarized Currents in Magnetic Nanostructures", Bad Honnef (Germany)

2006-11-8: Imaging Non-Collinear Spin Structures on the Atomic Scale with Spin-Polarized STM

M. Bode and R. Wiesendanger, International Conference on Solid Films and Surfaces, Bariloche (Argentina)

2006-11-6: Regionale Vernetzung als Strategietrend in der Nanotechnologie

R. Wiesendanger, nanoDE 2006, Berlin (Germany)

2006-10-26: Simulation in nanoscience and nanotechnology: from multiscale modelling to predictive material design

R. Wiesendanger, 24th CADFEM Users' Meeting 2006, Stuttgart (Germany)

2006-10-12: Spin-polarized scanning tunneling spectroscopy: principles, applications, and perspectives in molecular magnetism

R. Wiesendanger, European Conference on Molecular Magnetism, Tomar (Portugal)

2006-10-8: Multipolar ordering and magnetization reversal in two-dimensional nanomagnet arrays

E. Y. Vedmedenko, International Workshop Nanomagnets by Selforganization, Eisenerz (Austria)

2006-9-30: Real-space studies of surface spin structures at the atomic level by spin-polarized scanning tunneling spectroscopy and magnetic exchange force microscopy

R. Wiesendanger, Internat. Workshop on "Surface Spin Correlations", Hamburg (Germany)

2006-9-27: Recent progress in spin-polarized scanning tunneling microscopy

M. Bode, Scanning Probe Microscopies & Organic Materials XV, 2006, Dresden (Germany)

2006-9-27: New trends in ultra-high density magnetic data storage

R. Wiesendanger, nanoTX'06 Meeting, Dallas (USA)

2006-9-25: Nanomagnetism: Characterization by Spin-Polarized Scanning Tunneling Spectroscopy

R. Wiesendanger, WE-Heraeus Summer School on Nanomagnetism, Schloß Rauischholzhausen (Germany)

2006-9-25: Nanomagnetism: Characterization by Magnetic Force Microscopy

R. Wiesendanger, WE-Heraeus Summer School on Nanomagnetism, Schloß Rauischholzhausen (Germany)

2006-9-14: Die Nanotechnologie-Ausstellung - ein Lernort für Neugierige

H. Fuchs, MNU-Tag 2006, Hamburg (Germany)

2006-9-12: Mapping spin structures on the atomic scale: from antiferromagnetic metals and insulators to novel nanomagnetic states

R. Wiesendanger, Nanoscience Symposium at Diamond Light Source, Oxfordshire (U.K.)

2006-9-8: New horizons in nanomagnetism by atomic-scale magnetic SPM probing

R. Wiesendanger, TNT 2006, Grenoble (France)

2006-9-7: Imaging non-collinear spin structures on the atomic scale

M. Bode, Gordon Research Conference on Magnetic Nanostructures, Oxford (United Kingdom)

2006-9-7: Current status and future perspectives of spin-polarized STM in spintronics

R. Wiesendanger, E-MRS 2006 Fall Meeting, Warsaw (Poland)

2006-9-5: Spin-Polarized STM: Investigating Magnetism at the Atomic Scale

A. Kubetzka, Workshop Micromagnetics: Experiment, Modelling and Mathematical Theory, Bonn (Germany)

2006-9-4: Magnetic microscopy with atomic resolution

R. Wiesendanger, IMC16, Sapporo (Japan)

2006-9-3: Scanning probe microscopy and spectroscopy: methods and applications

R. Wiesendanger, IFSM IMC16 Pre-School, Sapporo (Japan)

2006-9-1: New horizons in nanomagnetism by atomic-scale magnetic SPM probing

R. Wiesendanger, 7th NIMS Symposium on Advanced Nano-Characterization, Tsukuba (Japan)

2006-8-15: Imaging Non-Collinear Spin-Structures with Spin-Polarized STM

M. Bode, 19th International Colloquium on Magnetic Films and Surfaces (ICMFS2006), Sendai (Japan)

2006-8-3: Spin-Polarized STM: Imaging Magnetic Nanostructures with Atomic Resolution

M. Bode, Microscopy & Microanalysis 2006, Chicago (USA)

2006-8-2: Nanoscience education: a multi-level approach

R. Wiesendanger, International Conference on Nanoscience and Technology, Basel (Switzerland)

2006-8-2: Mapping spin structures on the atomic scale: from antiferromagnetic metals and insulators to novel nanomagnetic states

R. Wiesendanger, International Conference on Nanoscience and Technology, Basel (Switzerland)

2006-7-26: Magnetic Exchange Force Microscopy

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

2006-7-25: Novel magnetic structure in the Fe monolayer on Ir(111)

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

2006-7-24: On the spin structure of antiferromagnetic domain walls

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

2006-7-17: Magnetic Exchange Force Microscopy

A. Schwarz, U. Kaiser, and R. Wiesendanger, 9th International Conference on Noncontact Atomic Force Microscopy (NCAFM'06), Kobe (Japan)

2006-7-10: Scanning Tunneling Microscopy and Spectroscopy

M. Bode, Summer School of the ULTRASMOOTH EU-project, Durham (United Kingdom)

2006-7-6: Frontiers of nanomagnetism revealed by spin-polarized scanning tunneling spectroscopy

R. Wiesendanger, Internat. Conf. on Nanoscale Superconductivity and Magnetism, Leuven (Belgium)

2006-6-27: Recent Progress in Spin-Polarized STM: Imaging of Non-Collinear Spin Structures in Monolayer Films

M. Bode, 3rd Joint European Magnetic Symposia, San Sebastian (Spain)

2006-6-7: SPSTM on Magnetic Nanostructures: Resolving Spin Structures at the Atomic Level

K. von Bergmann, 11th International Conferences on Modern Materials and Technologies (CIMTEC 2006), Acireale (Italy)

2006-5-31: Atomic- and nano-scale magnetic imaging by spin-polarized scanning tunneling spectroscopy

R. Wiesendanger, E-MRS Spring Meeting, Nice (France)

2006-5-26: Spin-Polarized STM: Investigating Magnetism at the Atomic Scale

A. Kubetzka, M. Bode, O. Pietzsch, K. von Bergmann, E.Y. Vedmedenko, P. Ferriani, S. Heinze, S. Blügel, and R. Wiesendanger, Advanced Workshop: Organizing and Addressing Molecules on Surfaces (OAMS06), Barcelona (Spain)

2006-5-23: New Trends in ultra-high density magnetic data storage

R. Wiesendanger, Nanoscience/Nanotechnology Colloquium, University of Trondheim, Trondheim (Norway)

2006-5-5: Mapping Spin Structures on the Atomic Scale

R. Wiesendanger, 2nd Annual Nanoprobes Workshop, Stanford University, Stanford, CA (USA)

2006-3-6: Nanoscience research in Hamburg

R. Wiesendanger, ERA-Nanoscience Meeting, Amsterdam (The Netherlands)

2005-12-7: Nanoanalytik mittels Rasterelektrodenmethoden: Von der Grundlagenforschung zur industriellen Anwendung

R. Wiesendanger, 2. NINA Schwerpunkttreffen: Nanoanalytik für Forschung und Industrie, Kiel (Germany)

2005-11-15: Spin-polarized Scanning Tunneling Microscopy: Magnetic Imaging with Atomic Resolution

M. Bode, 4th International Symposium on Surface Science and Nanotechnology (ISS-4), Omiya (Japan)

2005-11-2: Spin-Polarized Scanning Tunneling Spectroscopy of Nano-Scale Co Islands on Cu(111)

O. Pietzsch, 52nd International Symposium & Exhibition, The American Vacuum Society (AVS), Boston (USA)

2005-10-30: Spin-Polarized Scanning Tunneling Microscopy: Magnetic Imaging with Atomic Resolution

M. Bode, 50th Magnetism and Magnetic Materials Conference (MMM), San Jose (USA)

2005-10-27: New horizons in nanomagnetism by atomic-scale magnetic probing

R. Wiesendanger, Joint Meeting of German and Polish Vacuum Societies, Krakow (Poland)

2005-10-27: Magnetische Strukturbildung in Nanoteilchen

E. Y. Vedmedenko, Physikerinnentagung, Darmstadt (Germany)

2005-10-21: Nanoscience research in Hamburg

R. Wiesendanger, ERA-Nanoscience Meeting, Berlin (Germany)

2005-9-29: Recent progress in spin-polarized scanning tunneling spectroscopy

R. Wiesendanger, Spintronics '05, Poznan (Poland)

2005-9-26: Scanning probe imaging and spectroscopy of the solid state

R. Wiesendanger, DPG-School on Physics: The Physics of Imaging, Bad Honnef (Germany)

2005-9-9: Imaging Magnetic Nanostructures by Spin-Polarized STM

M. Bode, 23rd European Conference on Surface Science (ECOSS-23), Berlin (Germany)

2005-9-8: Beyond the Bean Model: Magnetization Reversal Observed With Single Vortex Resolution

A. Schwarz, R. Wiesendanger, Fourth International Conference on Vortex Matter and Nanostructured Superconductors (Vortex IV), Crete (Greece)

2005-8-25: Recent Progress in Spin-Polarized Scanning Tunneling Microscopy

M. Bode, International Symposium on Magnetic Materials and Applications (ISAMT), Taipei (Taiwan)

2005-7-18: Frontiers of nanomagnetism studied by spin-polarized scanning tunneling spectroscopy

A. Kubetzka, International Workshop on Nanotechnology, Perth (Australia)

2005-7-14: New Horizons in Nanomagnetism by Atomic Scale Magnetic Probing

A. Kubetzka, International Conference on Nanomaterials (NANO-2005), Sivakasi (India)

2005-7-5: Exploring the Frontiers of Nanomagnetism by Spin-Polarized STM

M. Bode, International Conference on Materials for Advanced Technologies (ICMAT2005), Singapore (Singapore)

2005-7-4: Recent progress in spin-polarized scanning tunneling spectroscopy

R. Wiesendanger, 13th International Conference on STM, Sapporo (Japan)

2005-7-4: Teaching Nanotechnology and SPM

R. Wiesendanger, 13th International Conference on STM, Sapporo (Japan)

2005-6-25: Physics of nanomagnetism revealed by spin-polarized scanning tunneling spectroscopy

R. Wiesendanger, Physics of Magnetism 05, Poznan (Poland)

2005-6-25: Lattice Effects in magnetic Nanostructures and Nanoarrays

E. Y. Vedmedenko, Moscow International Conference on Magnetism, Moscow (Russia)

2005-6-21: Low temperature scanning tunnelling spectroscopy of carbon nanotubes and magnetic nanowires

R. Wiesendanger, 25th GIF Meeting: Nanotubes and Nanowires, Dresden (Germany)

2005-6-10: **Scanning tunneling spectroscopy - Part I: Semiconductor nanostructures**

R. Wiesendanger, IUVESTA Intern. Summer School "Science and Technology at Nanoscale", Tri Studne (Czech Republic)

2005-6-10: **Scanning tunneling spectroscopy - Part II: Magnetic nanostructures**

R. Wiesendanger, IUVESTA Intern. Summer School "Science and Technology at Nanoscale", Tri Studne (Czech Republic)

2005-6-4: **Cryogenic Dynamic Force Microscopy/Spectroscopy of Molecular Systems: Introduction and Application to Biological Macromolecules**

M. Ashino and R. Wiesendanger, Joint Meeting of SCUR (Society for Cutaneous Ultrastructure Research) and ISP (International Society of Skin Pharmacology and Physiology), Hamburg (Germany)

2005-5-25: **Barkhausen Noise Visualized in Real Space**

A. Schwarz and M. Liebmann, Fluctuation and Noise in Materials II, Austin (USA)

2005-5-9: **Vortex states in high T_c superconductors studied by low temperature magnetic force microscopy**

A. Schwarz, The 5th Heinrich-Hertz MINERVA Workshop on High Temperature Superconductivity, Tel Aviv (Israel)

2005-5-2: **New Horizons in Magnetism by Atomic-Scale Magnetic Probing**

R. Wiesendanger, IMM Symposium, Nijmegen (The Netherlands)

2005-3-9: **Theorie der magnetischen Strukturbildung in Nanoteilchen und Nanoarrays**

E. Y. Vedmedenko, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2005-3-4: **Spin Mapping on the Atomic Scale: From 2D Antiferromagnets to Single Impurities**

R. Wiesendanger, 69th Spring Conference, Deutsche Physikalische Gesellschaft, Berlin (Germany)

2004-12-6: **Imaging the Magnetic Nanoworld by Spin-Polarized Scanning Tunneling Microscopy**

M. Bode, Sanken International Symposium on Scientific and Industrial Nanotechnology 2004 (SISSIN-2004), Osaka (Japan)

2004-11-30: **New Horizons in Magnetism by Atomic-Scale Magnetic Probing.**

R. Wiesendanger, International Symposium on New Horizons in Condensed-Matter Physics, University of Tokyo, Tokyo (Japan)

2004-11-23: **Low-Temperature Scanning Probe Spectroscopy of Molecular Systems and Quantum Dots.**

R. Wiesendanger, International Symposium on Nanostructures and Physicochemical Properties of Polyoxometalate Superclusters and Related Colloid Particles, Shonan Village Center, Kanagawa (Japan)

2004-11-18: **Spin-Polarized Electron Physics with the STM.**

R. Wiesendanger, Todai International Symposium 2004 on Quantum Condensed Systems ISSP-9, Kashiwa, Chiba (Japan)

2004-11-15: **Spin-Polarized Scanning Tunneling Microscopy: Achievements and Perspectives**

M. Bode, 51st International Symposium of the American Vacuum Society, Anaheim (USA)

2004-11-10: **Thermal Switching Behavior of Superparamagnetic Nanoislands: Imaging and Manipulation by SP-STM**

M. Bode, 49th Conference on Magnetism and Magnetic Materials, Jacksonville (USA)

2004-10-29: **Novel Insight into Magnetic Nanostructures by Spin-Polarized Scanning Tunneling Microscopy and Spectroscopy.**

R. Wiesendanger, Symposium on Magnetic Nanostructures, Heverlee (Belgium)

2004-10-27: **Nanotechnologie - Chancen und Perspektiven.**

R. Wiesendanger, Public Lecture, Hamburg (Germany)

2004-10-15: **High Resolution Force Microscopy and Spectroscopy at Low Temperatures**

A. Schwarz, Spins and Atomic Forces: Novel Perspectives in the Nanoscience Era, Hamburg (Germany)

2004-10-14: **Spin-polarized STM: Achievements and Perspectives**

M. Bode, International Symposium: "Atom Manipulation, Single Spins and Atomic Forces: Novel Perspectives in the Nanoscience Era, Hamburg (Germany)

2004-10-8: **Neue Einblicke in die Nanowelt mittels Rastersondenspektroskopie.**

R. Wiesendanger, Colloquium on Nanoscience and Atomic Processes in Materials, University of Stuttgart, Stuttgart (Germany)

- 2004-9-28: **Frontiers of Nanomagnetism Studied by Spin-Polarized Scanning Tunneling Spectroscopy.**
R. Wiesendanger, IRC Workshop on Nanoscale Characterisation and Biological Nanoscience, Bristol (U.K.)
- 2004-9-23: **Scanning Tunneling Spectroscopy of Quantum Systems in Semiconductors**
M. Morgenstern, International Symposium on Quantum Hall Systems and Quantum Materials, Hamburg (Germany)
- 2004-9-14: **Perspectives of Magnetic-Sensitive Imaging and Recording Using Scanning Probes.**
R. Wiesendanger, 11th International Summer School Nicolás Cabrera: Frontiers in Science and Technology-Magnetic Nanostructures, Madrid (Spain)
- 2004-9-13: **Spin-Resolved Spectroscopy and Magnetic Imaging at the Nano-scale**
R. Wiesendanger, 11th International Summer School Nicolás Cabrera: Frontiers in Science and Technology-Magnetic Nanostructures, Madrid (Spain)
- 2004-9-6: **Nano-Scale Studies of Magnetic Materials by Spin-Polarized Scanning Tunneling Spectroscopy.**
R. Wiesendanger, Joint European Magnetic Symposium JEMS'04, Dresden (Germany)
- 2004-8-23: **Frontiers of Nanomagnetism studied by Spin-Polarized Scanning Tunneling Microscopy.**
R. Wiesendanger, Gordon Research Conference on Magnetic Nanostructures, Big Sky Resort, Montana (USA)
- 2004-8-2: **Recent Progress in Spin-Polarized Scanning Tunneling Microscopy**
M. Bode, Microscopy and Microanalysis 2004, Savannah (USA)
- 2004-7-4: **Cryogenic scanning force microscopy with true atomic resolution: Current status and challenges for the future.**
R. Wiesendanger, International Symposium on Nanobiomedicine: Moving Nanotechnology from Bench to Bedside, Hamburg (Germany)
- 2004-6-25: **Spin-Sensitive Scanning Tunneling Microscopy and Spectroscopy.**
R. Wiesendanger, Summer School Nanospectra 2004: Fabrication, Manipulation and Spectroscopy of Nanostructures, Porquerolles (France)
- 2004-6-23: **Frontiers of Nanomagnetism explored by Spin-Polarized Scanning Tunneling Spectroscopy.**
R. Wiesendanger, Laserion-Workshop 2004: "Microfabrication, nanostructured materials and biotechnology", Schloß Ringberg, Tegernsee (Germany)
- 2004-6-22: **Imaging Magnetic Nanostructures: Spin-Polarized Scanning Tunneling Microscopy of Co/Cu(111)**
O. Pietzsch, A. Kubetzka, M. Bode, S. Heinze, and R. Wiesendanger, 7th International Conference on Nanostructured Materials NANO 2004, Nanoscience Award 2004 Lecture, Wiesbaden (Germany)
- 2004-6-22: **Nano-Scale Analysis of Nanostructured Materials by Scanning Probe Methods.**
R. Wiesendanger, 7th International Conference on Nanostructured Materials NANO 2004, Wiesbaden (Germany)
- 2004-6-20: **Scanning Tunneling Spectroscopy on Semiconductors: From Quantum Dots to More Complex Systems**
M. Morgenstern, Summer School Nanospectra 2004: Fabrication, Manipulation and Spectroscopy of Nanostructures, Porquerolles (France)
- 2004-6-10: **Local density of states of interacting electron systems in different dimensions**
M. Morgenstern, Workshop on Cooperative Phenomena in Optics and Transport in Nanostructures, Dresden (Germany)
- 2004-6-9: **Quantum Phenomena of Nanostructures studied by Scanning Probe Spectroscopy at Low Temperatures and High Magnetic Fields.**
R. Wiesendanger, CNR-INFM National Conference on the Physics of Matter, Genova (Italy)
- 2004-6-4: **Nanomagnetics: Current Status and Future Perspectives.**
R. Wiesendanger, International CeNTech Workshop, Münster (Germany)
- 2004-5-28: **Spin-Polarized Scanning Tunneling Microscopy: From Nanomagnetism to the Spin-Resolved Bandstructure**
M. Bode, 3rd International Workshop on Surface, Interface and Thin Film Physics, Shanghai (China)
- 2004-5-12: **Quantum Phenomena of Nanostructures studied by Scanning Probe Spectroscopy at Low Temperatures and High Magnetic Fields.**
R. Wiesendanger, Research Conference on: "Advancing Frontiers of Optical and Quantum Effects in Condensed Matter", Trieste (Italy)
- 2004-5-7: **Vacuum-based Science and Technology at the Nano-scale: Present Status and Future Perspectives.**
R. Wiesendanger, Leybold Vacuum GmbH, Schloß Bensberg, Bergisch-Gladbach (Germany)
- 2004-4-27: **Nanotechnology - Aufbruch in neue Welten.**
R. Wiesendanger, Vortragssitzung der Akademie Leopoldina, Halle (Germany)

- 2004-3-10: **Nanoscale Study of Quantum Pheno: Influence of Dimension, Magnetic Field and Disorder on Simple Electron Systems**
M. Morgenstern, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)
- 2004-3-8: **Local electronic and mechanical properties of carbon nanotubes studied by low-temperature scanning probe spectroscopy.**
R. Wiesendanger, 18th Int. Winterschool on Electronic Properties of Novel Materials: Molecular Nanostructures, Kirchberg i.T. (Austria)
- 2004-3-8: **Spin-Polarized Scanning Tunneling Microscopy: From Nanomagnetism to the Spin-Resolved Bandstructure**
M. Bode, 68th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)
- 2004-3-8: **Local electronic and mechanical properties of carbon nanotubes studied by low-temperature scanning probe spectroscopy**
R. Wiesendanger, 18th Int. Winterschool on Electronic Properties of Novel Materials: Molecular Nanostructures, Kirchberg i.T. (Austria)
- 2004-2-27: **Magnetism at the Atomic Scale: Novel Insight by Spin-Polarized STM.**
R. Wiesendanger, 19th Workshop on Novel Materials and Superconductivity, Donnersbach (Austria)
- 2004-2-11: **Magnetische Datenspeicherung auf dem Weg von Gigabits zu Terabits.**
R. Wiesendanger, PTB-Seminar: Magnetische Speichermedien der Zukunft, PTB, Braunschweig (Germany)
- 2003-12-11: **Scanning Probe Methods: The Eyes for the Nano-World.**
R. Wiesendanger, EuroNanoForum 2003, Triest (Italy)
- 2003-12-2: **Spin-Polarized Scanning Tunneling Microscopy as an Ultimate Tool for Future Magnetic Data Storage Technology.**
R. Wiesendanger, MRS Fall Meeting, Boston (USA)
- 2003-11-20: **Nano-Scale Studies of Magnetic Materials by Spin-Polarized Scanning Tunneling Spectroscopy.**
R. Wiesendanger, Asia Pacific Nanotechnology Forum, Cairns (Australia)
- 2003-11-19: **The German Center of Competence in Nano-Scale Analysis: From basic research to industrial applications.**
R. Wiesendanger, Asia Pacific Nanotechnology Forum, Cairns (Australia)
- 2003-11-17: **Orbital Symmetry and Spin Character of Electronic States revealed by Spin-Polarized Scanning Tunneling Spectroscopy.**
R. Wiesendanger, 7th International Conference on Atomically Controlled Surfaces, Interfaces and Nanostructures, Nara (Japan)
- 2003-11-14: **Nano-Scale Studies of Low-Dimensional Systems by Low-Temperature Scanning Tunneling Spectroscopy.**
R. Wiesendanger, International Symposium on Functional Semiconductor Nanosystems, Atsugi (Japan)
- 2003-11-13: **Quantum Phenomena of Nanostructures studied by Scanning Probe Spectroscopy at Low Temperatures and High Magnetic Fields.**
R. Wiesendanger, 1st International Symposium on Active Nano-Characterization and Technology, Tsukuba (Japan)
- 2003-11-4: **Nanotechnologie - Aufbruch in neue Welten**
R. Wiesendanger, Public Lecture, Hamburg (Germany)
- 2003-10-31: **Nanotechnologie - Aufbruch in neue Welten.**
R. Wiesendanger, Joachim Jungius-Gesellschaft der Wissenschaften, Hamburg (Germany)
- 2003-10-23: **Scanning Tunneling Spectroscopy: Interacting electron systems in different dimensions.**
M. Morgenstern, International Workshop on Microspectroscopy of Quantum, Magnetic and Biological Nanostructures, Osaka (Japan)
- 2003-10-22: **Imaging of Nanoscale Magnetic Structures with Spin-Resolved STM.**
M. Bode, International Workshop on Microspectroscopy of Quantum, Magnetic and Biological Nanostructures, Osaka (Japan)
- 2003-10-13: **Order by Frustration in Quasicrystals.**
E. Y. Vedmedenko, Elementary excitations in Quasicrystals, Chemnitz (Germany)
- 2003-10-10: **Scanning Tunneling Microscopy in Nanoscience.**
R. Wiesendanger, 1st iNANO-School, Aarhus (Denmark)
- 2003-10-8: **Imaging magnetic nanostructures by spin-polarized STM.**
M. Bode, 4th International Symposium on Atomic Level Characterizations for New Materials and Devices, Lihue/Hawaii (USA)

2003-10-1: **Magnetismus auf atomarer Skala: Neue Einblicke in ein altbekanntes Phänomen.**

R. Wiesendanger, 53rd Annual öPG-Meeting, Salzburg (Austria)

2003-9-23: **Visualization of vortex states in superconductors and mesoscopic magnets by scanning probe methods.**

R. Wiesendanger, 3rd European Conference on Vortex Matter in Superconductors, Crete (Greece)

2003-9-16: **Frontiers of nanomagnetism investigated by spin-polarized scanning tunneling spectroscopy.**

R. Wiesendanger, Summer School on New Magnetism, Bedlewo (Poland)

2003-9-12: **Novel insight into nanomagnetism by spin-polarized scanning tunneling microscopy.**

R. Wiesendanger, 24th Int. Symposium on Materials Science: Superconductivity and Magnetism, Roskilde (Denmark)

2003-9-5: **Exploring the Frontiers of Nanomagnetism by Spin-Polarized STM.**

M. Bode, Leopoldina Symposium: From Nanoscience to Nanotechnology, Karlsruhe (Germany)

2003-9-3: **Vortex phase transitions observed by magnetic force microscopy.**

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

2003-8-26: **Imaging Surface Magnetic Structures by Spin-Polarized STM.**

M. Bode, The Applied Statistical Physics: Molecular Engineering Conference, Puerto Vallarta (Mexico)

2003-7-28: **Fundamental studies of magnetism down to the atomic scale: present status and future perspectives of spin-polarized scanning tunneling microscopy.**

R. Wiesendanger, International Conference on Magnetism, Rome (Italy)

2003-7-24: **3D-force field spectroscopy with atomic resolution on NiO(001)**

A. Schwarz, H. Hölscher, S. M. Langkat, and R. Wiesendanger, 12th International Conference on STM, Eindhoven (The Netherlands)

2003-7-24: **Internal spin structure of magnetic vortex cores studied by spin-polarized scanning tunneling spectroscopy.**

R. Wiesendanger, 12th International Conference on STM, Eindhoven (The Netherlands)

2003-7-21: **Visualizing the influence of interactions on the nanoscale: simple electron systems.**

M. Morgenstern, 12th International Conference on STM, Eindhoven (The Netherlands)

2003-7-17: **Spin-Polarized Scanning Tunneling Spectroscopy.**

R. Wiesendanger, 3rd International Symposium on Scanning Probe Spectroscopy and Related Techniques, Poznan (Poland)

2003-7-17: **Low temperature magnetic force microscopy in high magnetic fields.**

A. Schwarz, 3rd International Symposium on Scanning Probe Spectroscopy and Related Techniques, Poznan (Poland)

2003-7-9: **Spin-polarized STM: New Insight in the Magnetism of Nanostructures.**

M. Bode, SFB 513 Workshop 2003 & Krupp-Symposium, Konstanz (Germany)

2003-6-28: **Towards spin polarized imaging of ferromagnet-semiconductor interfaces.**

M. Morgenstern, 3rd Celdis Workshop on Diluted Magnetic and Hybrid Low Dimensional Structures, Warsaw (Poland)

2003-6-17: **Novel Insight into Nano- and Atomic-Scale Magnetism.**

R. Wiesendanger, 14th Interdisciplinary Surface Science Conference, Liverpool (U.K.)

2003-3-25: **Neuere Entwicklung in der spin-polarisierten Rastertunnel-Mikroskopie.**

O. Pietzsch, M. Bode, A. Kubetzka, K. von Bergmann, A. Wachowiak, J. Wiebe, M. Morgenstern, and R. Wiesendanger, 67th Spring Conference, Deutsche Physikalische Gesellschaft, Dresden (Germany)

2003-3-11: **Towards spin polarized imaging of ferromagnet-semiconductor interfaces.**

M. Morgenstern, International Symposium on Carrier Interactions and Spintronics in Nanostructures, Tokyo (Japan)

2003-2-6: **Spin-resolved Spectro-Microscopy**

R. Wiesendanger, Winterschool on Scanning Probe Microscopy and Spectroscopy, Hanse-Wissenschaftskolleg Delmenhorst, Delmenhorst (Germany)

2002-12-3: Frontiers of Nanomagnetism explored by Spin-Polarized STM

M. Bode, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, Fall Meeting of the Material Research Society, Boston (USA)

2002-11-29: Von der Nanowissenschaft zur Nanotechnologie: Beiträge der Rastersondenmethoden

R. Wiesendanger, Fachkongress Nanotechnologie, Handelskammer Hamburg, Hamburg (Germany)

2002-11-15: Novel Insight into Nano- and Atomic-Scale Magnetism.

R. Wiesendanger, 47th Conf. on Magnetism & Magnetic Materials, Tampa (USA)

2002-11-1: Nano-Scale Studies of Quantum Phenomena in Electron Systems of Different Dimension.

M. Morgenstern, The 10th International Colloquium on Scanning Probe Microscopy, Hawaii (USA)

2002-10-30: Imaging Magnetic Nanostructures by Spin Polarized STM

M. Bode, O. Pietzsch, A. Kubetzka, R. Ravlic, A. Wachowiak, J. Wiebe, M. Morgenstern, and R. Wiesendanger, Satellite Workshop on Properties of Magnetic Nanostructures, Trieste (Italy)

2002-10-24: Novel Insight into Nano- and Atomic-Scale Magnetism.

R. Wiesendanger, International Conference on Nano-Science and Technology in celebration of the 50th anniversary of the Korean Physical Society, Seoul (South Korea)

2002-10-14: Beiträge der Rastersondenmikroskopie und Spektroskopie in der Materialforschung.

R. Wiesendanger, Workshop über Materialwissenschaften in Hamburg 2002, Hamburg (Germany)

2002-10-14: Probing the internal spin structure of a magnetic vortex core.

M. Morgenstern, International Conference on Solid States Crystals, Krakow (Poland)

2002-10-11: Magnetism on macroscopic and microscopic scales

M. Getzlaff, Workshop "Functionalized Materials", Berlin (Germany)

2002-10-7: Novel Insight into Nanoscale Magnetism by Spin Polarized Scanning Tunneling Spectroscopy

M. Morgenstern, NATO ASI Workshop Scanning Probe Microscopy, Albufeira (Portugal)

2002-10-4: Nano-Scale Studies of Quantum Phenomena in Electron Systems of Different Dimension.

M. Morgenstern, NATO ASI Workshop Scanning Probe Microscopy, Albufeira (Portugal)

2002-9-27: Imaging surface magnetic structures by spin-polarized STM.

M. Bode, O. Pietzsch, A. Kubetzka, R. Ravlic, A. Wachowiak, J. Wiebe, M. Morgenstern, and R. Wiesendanger, III. Congreso Espanol de Microscopia de Fuerzas y Efecto Tunel, Zamora (Spain)

2002-9-10: Spin-polarized STM: Imaging of magnetic nanostructures with sub-nanometer resolution.

M. Bode, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, Discussion Meeting on Magnetism at the Spatial Limit of the Max-Planck-Gesellschaft, Schloss Ringberg, Ringberg (Germany)

2002-8-25: Novel Insight into Nano- and Atomic-Scale Magnetism.

R. Wiesendanger, 23rd Int. Conf. on Low-Temperature Physics, LT-23, Hiroshima (Japan)

2002-8-20: Novel Insight into Nano- and Atomic-Scale Magnetism by Spin-Polarized Scanning Tunneling Spectroscopy.

R. Wiesendanger, International Conference on Science and Technology of Spin Transport in Nanostructures, Trieste (Italy)

2002-8-12: Novel Insight into Nano- and Atomic-Scale Magnetism.

R. Wiesendanger, Special Public Lecture at Asia SPM Taipei Symposium on Nanotechnology, Taipei (Taiwan)

2002-7-16: Nano-Scale Studies of Low-Dimensional Electron Systems by Low-Temperature Scanning Tunneling Spectroscopy (STS)

R. Wiesendanger, Euroconference on Quantum Phases at the Nanoscale, Erice (Italy)

2002-7-6: Spin-polarized STM

M. Bode, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, Symposium Latsis on Spin Injection Induced Magnetization Reversal, Lausanne (Switzerland)

2002-6-28: Scanning Tunneling Spectroscopy on Quantum Systems.

M. Morgenstern, Werner-Brandt Workshop 22, Namur (Belgium)

2002-6-24: Spin-polarized scanning tunneling microscopy.

M. Bode, O. Pietzsch, A. Kubetzka, R. Ravlic, A. Wachowiak, J. Wiebe, M. Morgenstern, and R. Wiesendanger, Joint 7th International Conference on Nanometer-Scale Science and Technology and 21st European Conference on Surface Science, Malmö (Sweden)

2002-6-20: Nano-Scale Electronic and Magnetic Properties of Ultrathin Films Probed by Spin-Polarized Scanning Tunneling Spectroscopy.

R. Wiesendanger, E-MRS Spring Meeting, Strasbourg (France)

2002-6-12: 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, 281. WE-Heraeus-Seminar on Spin-Orbit Interactions and Local Structure in Magnetic Systems with Reduced Dimensions, Wandlitz (Germany)

2002-5-29: Advances in Low Temperature Force Microscopy.

A. Schwarz, The 4th Nordic Baltic SPM Workshop, Tartu (Estonia)

2002-5-14: Frontiers of nanomagnetism explored by spin-polarized STM

M. Bode, A. Kubetzka, O. Pietzsch, A. Wachowiak, J. Wiebe, and R. Wiesendanger, Gordon Research Conference on Magnetic Nanostructures, Il Ciocco (Italy)

2002-5-13: Reise in den Mikrokosmos mit Hilfe neuer mikroskopischer Methoden.

R. Wiesendanger, Materialforum Rhein-Main, RWE Solar GmbH, Alzenau (Germany)

2002-5-6: Imaging magnetic domains with sub-nanometer resolution.

M. Bode, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, Magneto-Optical Recording International Symposium (MORIS), Benodet (France)

2002-5-1: Imaging magnetic domains with sub-nanometer resolution using spin-polarized STM.

M. Bode, A. Kubetzka, O. Pietzsch, M. Kleiber, R. Ravlic, and R. Wiesendanger, Intermag Europe 2002, Amsterdam (The Netherlands)

2002-3-20: Novel Insight into Nano- and Atomic-Scale Magnetism by Spin-Polarized STM.

R. Wiesendanger, APS March Meeting, Indianapolis (USA)

2002-2-15: Nano- and Atomic-Scale Magnetism: Novel Insight by Spin-Polarized Scanning Tunneling Spectroscopy.

R. Wiesendanger, ESRF-Workshop on Surfaces and Interfaces on the Atomic- and Nano-Scale: Semiconductors, Magnetic Materials and Oxides, Grenoble (France)

2002-2-14: Mikroskopische Aspekte magnetischer Schichtsysteme.

R. Wiesendanger, DFG-Rundgespräch: Schichtsysteme, Bad Honnef (Germany)

2002-1-8: Magnetism under the spin-polarized scanning tunneling microscope.

M. Bode, A. Kubetzka, O. Pietzsch, M. Kleiber, R. Ravlic, and R. Wiesendanger, 190. WE-Heraeus-Seminar on Magnetism on the Sub-Micrometer Scale: Interactions and Microscopy, Bad Honnef (Germany)

2001-12-11: Probing the local density of states of dilute electron systems in different dimensions

M. Morgenstern, Scanning Probe Microscopy in Biology, Chemistry and Physics, SPM 2001, Santa Fe (USA)

2001-12-5: Recent Highlights of Scanned Probe Based Research at the Nanoscale

M. Getzlaff, US/Germany Joint Meeting on Nanoscale Science and Engineering, Boston (USA)

2001-11-15: Spinresolved spectro-microscopy at the atomic level

R. Wiesendanger, LVII Yamada Conference on Atomic-scale surface designing for functional low-dimensional materials, Tsukuba (Japan)

2001-11-9: Das Unsichtbare wird sichtbar / Nutzung neuer Medien bei der Vermittlung nanotechnologischer Forschung

R. Wiesendanger, Medienfestival "Bilder aus der Physik", Göttingen (Germany)

2001-11-1: Domain imaging of magnetic nanostructures by spin-polarized scanning tunneling microscopy

M. Bode, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, AVS, 48th International Symposium of the American Vacuum Society, San Francisco (USA)

2001-11-1: Probing the Dependence of the Spin Splitting in Quantum Dots on Residual Disorder

M. Morgenstern, V. Gudmundsson, and R. Wiesendanger, AVS, 48th International Symposium of the American Vacuum Society, San Francisco (USA)

2001-10-26: Spin-Polarized Scanning Tunneling Microscopy in Applied Magnetic Fields

O. Pietzsch, European Science Foundation, Final Nanomag Meeting, Anglet (France)

2001-10-18: Imaging magnetic nanostructures by spinpolarized scanning tunneling microscopy

M. Bode, 3rd International Conference "Physics of Low-Dimensional Structures", Chernogolovka (Russia)

2001-10-17: Scanning Tunneling Spectroscopy of Dilute Electron Systems in different Dimensions

M. Morgenstern, 3rd International Conference "Physics of Low Dimensional Structures", Chernogolovka (Russia)

2001-9-21: Nano-Science: the Beauty of Being Small

R. Wiesendanger, 3rd Workshop on Quantum Hall Systems, Gedern (Germany)

2001-9-5: Semiconductor and magnetic nanostructures

R. Wiesendanger, Sino-German Symposium on Micro Systems and Nano Technology, PTB, Braunschweig (Germany)

2001-9-2: Dynamic Force Microscopy and Spectroscopy at Low Temperatures

A. Schwarz, U.D. Schwarz, S. Langkat, H. Hölscher, W. Allers, and R. Wiesendanger, 4th International Conference on Noncontact Atomic Force Microscopy, Kyoto (Japan)

2001-8-9: Contributions of Scanning Probe Spectroscopy to Analytical Sciences

R. Wiesendanger, ICAS 2001, Tokyo (Japan)

2001-7-25: Spin-Resolved Spectro-Microscopy at the Atomic Level

R. Wiesendanger, VUV XIII Congress, Trieste (Italy)

2001-7-16: Nano-Scale Studies of Quantum Phenomena by Scanning Probe Spectroscopy

R. Wiesendanger, 11th International Conference on STM, Vancouver (Canada)

2001-7-11: Scanning Probe Spectroscopy of Semiconductor Nanostructures

R. Wiesendanger, European Summer School on Nanotechnology, University of Würzburg, Würzburg (Germany)

2001-7-11: Scanning Probe Spectroscopy of Magnetic Nanostructures. 222 Triannual Report 1999-2001; SPM Group at MARCH

R. Wiesendanger, European Summer School on Nanotechnology, University of Würzburg, Würzburg (Germany)

2001-6-25: Scanning Probe Based Science and Technology

R. Wiesendanger, Laserion-Workshop, Schloß Ringberg, Tegernsee (Germany)

2001-5-19: Nano-scale Studies of Quantum Phenomena by Scanning Probe Spectroscopy

R. Wiesendanger, Sackler Colloquium of the National Academy of Sciences on "Nanoscience", Washington D. C. (USA)

2001-4-6: The interaction of hydrogen with Gd thin films.

M. Getzlaff, 4th Workshop on Functional Materials, Synthesis and Characterization of Mesoscale Systems, Geesthacht (Germany)

2001-3-1: Quantenphänomene auf der Nanometerskala: Neue Einblicke mittels Rastertunnelspektroskopie

R. Wiesendanger, DFG-Rundgespräch: Chemie und Physik an Grenzflächen, Bad Honnef (Germany)

2001-2-21: Neue Entwicklungen auf dem Gebiet magnetischer Datenspeicher

R. Wiesendanger, 158. PTB-Seminar: Technologien für Datenspeicher der Zukunft II, Braunschweig (Germany)

2000-12-14: Neue faszinierende Einblicke in den Nanokosmos

R. Wiesendanger, Public Lecture to the Year of Physics, Berlin (Germany)

2000-12-11: Nano-Scale Studies of Quantum Phenomena by Scanning Probe Spectroscopy

R. Wiesendanger, Symposium on 100 Years of Quantum Theory, Berlin (Germany)

2000-11-7: Friction at the nanometer scale - nanotribology studied with the atomic force microscope

H. Hölscher and U. D. Schwarz, European Symposium on Nanomechanical Testing, Hückelhoven (Germany)

2000-11-1: Spin dependent tunneling effects on magnetic nanostructures

M. Getzlaff, Workshop "Characterization and Development of Nanosystems", Peking (China)

2000-10-31: Nanoprobe Analysis in Physical Based Sciences

R. Wiesendanger, Japanese-German Symposium on Strategies in Nanotechnology, Berlin (Germany)

2000-10-27: Das UHV - STM: Möglichkeiten und Perspektiven der Korrelation von strukturellen, elektronischen und magnetischen Eigenschaften auf der nm-Skala

M. Getzlaff, 2. Europäisches Rastersondenmikroskopie User Meeting 2000, Dresden (Germany)

2000-9-28: Scanning Tunneling Microscopy (STM) and Spin-Resolved STM

R. Wiesendanger, 2nd LEEM/PEEM workshop, Paris (France)

2000-9-27: Surface magnetism: from the spin resolved density of states to magnetic domain imaging on the nanometer scale

M. Getzlaff, Physik Event "ÖPG 2000", Graz (Austria)

2000-9-26: Magnetic imaging at the atomic level

R. Wiesendanger, SXM4, Münster (Germany)

2000-9-14: Neue Einblicke in den Nanokosmos

R. Wiesendanger, MNU-Tag 2000, Hamburg (Germany)

2000-9-6: New applications of scanning force microscopy: From the microscopic origins of friction to high-resolution imaging and spectroscopy at low temperatures

U. D. Schwarz, Jahrestreffen der Französischen Gesellschaft für Mikroskopie, Toulouse (France)

2000-8-13: Investigation of the mechanics of nanocontacts using a vibration cantilever technique

U. D. Schwarz, H.Hölscher, W. Allers, A. Schwarz, and R. Wiesendanger, NATO-ASI-Workshop "Fundamentals of and Bridging the Gap between Macro- and Micro/Nanoscale Tribology", Keszthely (Hungarian)

2000-8-11: Atomic-scale magnetic imaging of ultrathin films by scanning tunneling microscopy and spectroscopy

M. Bode, M. Getzlaff, S. Heinze, O. Pietzsch, A. Kubetzka, R. Ravlic, M. Kleiber, X. Nie, S. Blügel, and R. Wiesendanger, 8th International Conference on Electronic Spectroscopy, Berkeley (USA)

2000-7-26: Nano-Scale Surface Magnetism Studied by Spin-Polarized STM

M. Bode, 4th International School on the Applications of Surface Science Techniques, Erice (Italy)

2000-7-21: Scanning Tunneling Spectroscopy of Landau States

M. Morgenstern, Second International Conference on Scanning Probe Spectroscopy, Hamburg (Germany)

2000-7-20: Spin-polarized STM/STS on magnetic thin films

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

2000-7-5: Magnetic nanostructures at surfaces probed by spin-polarized scanning tunneling spectroscopy

R. Wiesendanger, SFB-Workshop on Nanostructures at Surfaces and Interfaces, Konstanz (Germany)

2000-6-22: STM and MFM of magnetic nanostructures

M. Getzlaff, Summer School on Spectroscopies of inorganic, organic and biological material, Ameland (The Netherlands)

2000-5-23: The scanning tunneling microscope as a nanoanalytical tool

M. Getzlaff, Achema 2000, Frankfurt (Germany)

2000-5-13: Imaging of Nanostructured Thin Films by Spin-Polarized STM

M. Bode, S. Heinze, A. Kubetzka, O. Pietzsch, X. Nie, S. Blügel, and R. Wiesendanger, ESF Workshop on Magnetic Imaging of Nanostructures, Regensburg (Germany)

2000-4-13: Low-Temperature Scanning Tunneling Spectroscopy of Electronic States at Semiconductor and Ferromagnet Surfaces in External Magnetic Fields

R. Wiesendanger, UK SPM 2000 Meeting, London (U.K.)

2000-4-13: Domain-Imaging of Nanostructured Magnetic Thin Films

M. Bode, S. Heinze, A. Kubetzka, O. Pietzsch, X. Nie, S. Blügel, and R. Wiesendanger, International Symposium on Physical Properties of Structured Thin Metallic Films, FU Berlin, Berlin (Germany)

2000-4-13: Domain-Imaging of Nanostructured Magnetic Thin Films

M. Bode, S. Heinze, A. Kubetzka, O. Pietzsch, X. Nie, S. Blügel, and R. Wiesendanger, International Symposium on Physical Properties of Structured Thin Metallic Films, FU Berlin, Berlin (Germany)

2000-3-31: **Magnetic Nanostructures probed by Spin-Polarized Scanning Tunneling Spectroscopy**

R. Wiesendanger, IUVSTA Divisional Highlight Seminar, Namur (Belgium)

2000-3-28: **Oberflächenmagnetismus: Von der spinaufgelösten Zustandsdichte zur Abbildung magnetischer Domänen auf der nm-Skala**

M. Getzlaff, 64th Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

2000-3-27: **Study of microfriction by AFM**

U. D. Schwarz, 7th International Symposium on Trends and Applications of Thin Films (TATF'2000), Nancy (France)

2000-3-14: **Scanning Tunneling Spectroscopy at Low Temperatures and High Magnetic Fields: a Nano-scale View of Landau Quantization, Spin Splittings and Spin-Polarized Tunneling Effects.**

R. Wiesendanger, EPS-CMD18, Montreux (Switzerland)

2000-3-8: **A Nano- and Atomic-Scale View of Surface Magnetism by Spin-Polarized Scanning Tunneling Spectroscopy**

R. Wiesendanger, Int. Symp. on Nanoscale Magnetism and Transport, Sendai (Japan)

2000-2-23: **Rastersondenmethoden und Datenspeichertechnik**

A. Born and R. Wiesendanger, 152. PTB-Seminar: Technologien für Datenspeicher der Zukunft, Braunschweig (Germany)

1999-12-10: **Scanning Tunneling Spectroscopy at low temperatures and high magnetic fields: a nanoscale view to Landau oscillations, spin splittings and spin-polarized tunneling**

M. Morgenstern, 2nd Int. Symposium on Atomic Scale Processing and Novel Properties in Nanoscopic Materials, Osaka (Japan)

1999-12-9: **Scanning tunneling spectroscopy at low temperatures and high magnetic fields: a nanoscale view to Landau oscillations, spin splittings and spin-polarized tunneling**

M. Morgenstern, 2nd Int. Symposium on Atomic Scale Processing and Novel Properties in Nanoscopic Materials, Osaka (Japan)

1999-12-9: **Dynamic scanning force microscopy at low temperatures**

W. Allers, A. Schwarz, H. Hölscher, U. D. Schwarz, and R. Wiesendanger, Seventh International Conference on Scanning Probe Methods (ICSPM-7), Akagawa, Shizouka (Japan)

1999-11-30: **Hydrogen induced plastic deformation of thin films**

A. Pundt, U. Laudahn, U. v. Hülsen, U. Geyer, T. Wagner, M. Getzlaff, M. Bode, R. Wiesendanger, and R. Kirchheim, MRS-meeting, Boston (USA)

1999-10-28: **Spin-polarized scanning tunneling spectroscopy: Magnetic domain imaging and beyond**

R. Wiesendanger, AVS 99, Seattle (USA)

1999-10-23: **Interfacial and topological superconductivity in 2D layers studied by spin-resolved scanning tunneling spectroscopy**

R. Wiesendanger, 66th AVS International Symposium, Columbus, Ohio (USA)

1999-10-22: **Spin-polarized vacuum tunneling spectroscopy: Correlation of structural, electronic, and magnetic properties of surfaces at the nanometer scale**

R. Wiesendanger, Symposium "Magnetism at Surfaces and Interfaces", Groningen (The Netherlands)

1999-10-7: **Raster-Tunnel-Spektroskopie: Grundlagen und Anwendungen**

R. Wiesendanger, WE-Heraeus-Ferienkurs "Festkörperspektroskopie", Dresden (Germany)

1999-9-28: **Spinpolarisiertes Vakuumtunneln: strukturelle, elektronische und magnetische Eigenschaften von Nanostrukturen**

M. Getzlaff, Workshop "Cluster 1999", Sassnitz (Germany)

1999-9-27: **Raster-Tunnel-Mikroskopie: Grundlagen und Anwendungen**

R. Wiesendanger, WE-Heraeus-Ferienkurs "Moderne Fernfeld- und Nahfeld-Mikroskopien", Chemnitz (Germany)

1999-7-21: **STM / AFM of magnetic structures**

M. Getzlaff, 1st IUVSTA Summer School on Quantum Devices and Nanostructures, Cortona (Italy)

1999-7-19: **Spin-Polarized Vacuum Tunneling into the Exchange-Split Surface State of Gd(0001)**

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

1999-7-19: **Spin-polarized vacuum tunneling into the exchange-split surface state of Gd(0001)**

M. Bode, M. Getzlaff, and R. Wiesendanger, 10th International Conference on Scanning Tunneling Microscopy/Spectroscopy and Related Techniques, Seoul (South Korea)

1999-3-25: **Spinpolarisiertes Vakuumtunneln in den Oberflächenzustand von Gd(0001)**

M. Bode, M. Getzlaff, and R. Wiesendanger, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1999-3-25: **Low-Temperature Scanning Tunneling Spectroscopy on n-InAs(110) at High Magnetic Fields: Landau Level Quantization and Scattering of Electron Waves at Dopant Atoms**

R. Wiesendanger, APS Centennial Meeting, Atlanta (USA)

1999-3-24: **Spin Polarized Scanning Tunneling Spectroscopy with Magnetic Probe Tips**

R. Wiesendanger, APS Centennial Meeting, Atlanta (USA)

1999-3-23: **Reibung auf der Nanometerskala - Nanotribologie mit dem Rasterkraftmikroskop**

U. D. Schwarz, 63th Spring Conference, Deutsche Physikalische Gesellschaft, Münster (Germany)

1999-2-15: **Bestimmung elektronischer und magnetischer Eigenschaften mittels spinauflösender Photoelektronenspektroskopie und spinpolarisierter Rastertunnelspektroskopie**

M. Getzlaff, Workshop "Magnetische Nanostrukturen: Physikalische Grundlagen und Anwendungen", Hamburg (Germany)

1999-1-13: **Recent Advances in Spin-Polarized Scanning Tunneling Spectroscopy for Imaging of Magnetic Domains**

R. Wiesendanger, MORIS'99, Monterey (USA)

1998-11-27: **Kompetenzzentrum Nanotechnologie in Hamburg**

R. Wiesendanger, Handelskammer, Hamburg (Germany)

1998-10-29: **Scanning tunneling spectroscopy on InAs(110): scattering of electron waves at ionized dopants and spatially resolved Landau level spectroscopy**

M. Morgenstern, II. SFB-Workshop on Quantum Materials, V. Hamburger Symposium on the Physics of Micro- and Nanostructures, Hamburg (Germany)

1998-10-23: **Variable-temperature scanning tunneling spectroscopy on semiconductors and ferromagnets**

R. Wiesendanger, 6th Dutch Symposium on Scanning Probe Microscopy, Nijmegen (The Netherlands)

1998-9-22: **Scanning tunneling spectroscopy on InAs(110): scattering of electrons at ionized dopants and Landau quantization**

M. Morgenstern, EMAG Workshop, London (U.K.)

1998-9-2: **Recent developments in scanning probe microscopy and spectroscopy for imaging of magnetic domains**

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

1998-7-30: **Scanning tunneling spectroscopy on InAs(110): scattering of electron waves at ionized dopants**

M. Morgenstern, 8th International Conference on Shallow Level Centers in Semiconductors SCLS98, Montpellier (France)

1998-7-20: **Tiefemperatur-Rastertunnelspektroskopie an Halbleitern und Ferromagneten**

R. Wiesendanger, Graduiertenkolleg-Workshop, Karlsruhe (Germany)

1998-7-17: **Applications of scanning capacitance microscopy**

A. Born, Opening ceremony of the D.I. Technical Centre and Sales Office, Cambridge (U.K.)

1998-7-10: **Film thickness measurement by means of scanning force microscopy**

U. D. Schwarz, 3rd meeting of the working group "Thin films in microsystem technology", German Society of Material Science, Thin Film Division, TU Berlin, Berlin (Germany)

1998-6-29: **Nanostructural investigations by scanning probe microscopy**

M. Morgenstern, Ringberg Workshop on Microfabrication, Nanostructured Materials and Biotechnology, Ringberg (Germany)

1998-5-29: **Characterisation and Modification of Magnetic Nanostructures by Local Probe Methods**

R. Wiesendanger, Int. Symp. Nano-Scale Modification of Surfaces, Kraków (Poland)

1998-5-26: **Local electronic properties in the presence of internal and external magnetic fields studied by variable temperature scanning tunneling spectroscopy**

M. Morgenstern, Minerva / GIF-Center Symposium, Jerusalem (Israel)

1998-5-18: **Recent developments in scanning probe instrumentation**

M. Morgenstern, Nanoscience for Nanotechnology, Hindsgval (Denmark)

1998-5-16: **Low-Temperature Scanning Tunneling Spectroscopy of Electronic States in Semiconductors and Ferromagnets**

R. Wiesendanger, Int. Symp. on Modern Topics in Applied Physics, University of Heidelberg, Heidelberg (Germany)

1998-5-11: **Scanning Tunneling Microscopy and Spectroscopy: Correlation of Structural, Electronic and Magnetic Information on the Nanometer Scale**

R. Wiesendanger, ECSC-6, La Grande Motte (France)

1998-5-6: **Nanotribology with the scanning force microscope**

U. D. Schwarz, H. Hölscher, O. Zwörner, and R. Wiesendanger, 196th Seminar of the WE-Heraeus Foundation on Mathematical Modelling and Analysis of Nonsmooth Dynamical Systems, Bad Honnef (Germany)

1998-4-22: **Recent developments on scanning probe microscopy and spectroscopy of thin magnetic films**

M. Bode, M. Getzlaff, A. Wadas, and R. Wiesendanger, IVS 97, Rehovot (Israel)

1998-3-29: **Scanning tunneling microscopy investigation of H₂O-adsorption on Pt(111)**

M. Morgenstern, 215th American Chemical Society National Meeting, Dallas, Texas (USA)

1998-3-25: **Rastersondenmikroskopie: spezielle Anwendungen in der Mikroelektronik**

A. Born, InCom 98, Düsseldorf (Germany)

1998-3-24: **Tieftemperatur-Rastertunnelspektroskopie an InAs(110): Landauniveaus und Streuung von Elektronenwellen an Dotieratomen**

M. Morgenstern, 62nd Spring Conference, Deutsche Physikalische Gesellschaft, Regensburg (Germany)

1998-3-19: **Correlation between atomic, local electronic and magnetic structure of thin films by scanning probe spectroscopy**

R. Wiesendanger, TATF98, Regensburg (Germany)

1998-3-17: **Temperature-dependent scanning microscopy and spectroscopy of Gd layers on W(110)**

M. Bode, M. Getzlaff, R. Pascal, and R. Wiesendanger, 190. WE-Heraeus-Seminar, Wandlitz (Germany)

1998-2-17: **Nanosopic Spin-Valve Structures**

R. Wiesendanger, WE-Heraeus-Seminar on Spin-dependent Transport, Bad Honnef (Germany)

1997-12-11: **Local electronic properties in the presence of internal and external magnetic fields studied by variable-temperature scanning tunneling spectroscopy**

R. Wiesendanger, 5th Int. Coll. on STM, Kanazawa (Japan)

1997-11-12: **Recent Developments in SPM Techniques**

M. Bode and R. Wiesendanger, KEMIA 97, Helsinki (Finland)

1997-11-6: **Tip-sample interaction in contact force microscopy**

U. D. Schwarz, H. Hölscher, H. Bluhm, O. Zwörner, and R. Wiesendanger, 2nd Seminar on Quantitative Microscopy (QM2), Vienna (Austria)

1997-9-19: **Correlation between nano-scale structural, electronic and magnetic properties of thin films by scanning probe microscopy and spectroscopy**

R. Wiesendanger, Workshop on Nanostructures, Haydau (Germany)

1997-7-28: **Present and future developments of SPM-systems as mass storage devices**

A. Born and R. Wiesendanger, First German-Chinese Workshop on Fundamentals of Nanometer-Scale Structuring Microscopy and Selforganisation Processes Probe, Karlsruhe (Germany)

1997-7-17: **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, SPS 1997, Posnan (Poland)

1997-7-15: **Quantitative friction force spectroscopy and the nature of the tip/sample contact in force microscopy**

U. D. Schwarz, O. Zwörner, and H. Hölscher, First International Symposium on Scanning Probe Spectroscopy and Related Methods, Poznan (Poland)

1997-6-20: **Nano-Science and Nano-Technology: An Excursion into a Small World**

R. Wiesendanger, 3rd German-American Annual Symposium "Frontiers of Science", Munich (Germany)

1997-5-13: **Formation and Physical Properties of Magnetic Nanostructures studied by Scanning Probe Spectroscopy**

R. Wiesendanger, Scanning Microscopy 1997, Chicago (USA)

1997-3-25: **Aktuelle Entwicklungen in der Mikro- und Nanostrukturforschung**

R. Wiesendanger, MNU 97, Hamburg (Germany)

1997-3-22: **Rastersondenmikroskopie und -spektroskopie an Halbleiteroberflächen und Bauelementen**

R. Wiesendanger, Seminar "Grundlagen und Technologie elektronischer Bauelemente", Großarl (Austria)

1997-1-27: **Nanofabrication by Scanning Probe Methods: Current Status and Challenges for the Future**

R. Wiesendanger, WE-Heraeus-Seminar "New Nanostructures below 100 nm: Perspectives and Applications", Bad Honnef (Germany)

1996-11-7: **Beiträge der Rastertunnel-Mikroskopie und -Spektroskopie zur Nanostrukturwissenschaft**

R. Wiesendanger, WE-Heraeus-Seminar über Nanostrukturwissenschaften und -technik, Bad Honnef (Germany)

1996-9-10: **Magnetic Nanostructures studied by Scanning Probe Microscopy and Spectroscopy**

R. Wiesendanger, Fourth International Conference on Nanometer-scale Science and Technology (NANO-IV), Beijing (China)

1996-9-10: **Experimental and theoretical aspects of point contact friction**

U. D. Schwarz, H. Bluhm, H. Hölscher, O. Zwörner, P. Köster, W. Allers, A. Schwarz, and R. Wiesendanger, Fourth International Conference on Nanometer-scale Science and Technology (NANO IV), Beijing (China)

1996-6-21: **Von der Mikro- zur Nanotechnik mit Spitzentechnologien**

R. Wiesendanger, 1. Norddeutscher Technologiedialog, Fraunhofer-Institut für Siliziumtechnologie, Itzehoe (Germany)

1996-5-29: **Application of Scanning Probe Methods for Electronic and Magnetic Device Fabrication, Characterization and Testing**

R. Wiesendanger, 40th Int. Conf. Electron, Ion and Photon Beam Technology and Nanofabrication, Atlanta (USA)

1996-5-8: **Scanning Probe Spectroscopy of Magnetic Nanostructures: from single atoms to 3D-islands**

R. Wiesendanger, Workshop on "Nanoscale Science with Scanning Probe Techniques", MPI für Festkörperforschung, Stuttgart (Germany)

1996-3-25: **Local and Scanning Tunneling Spectroscopy of 0D - 3D Metallic Nanostructures**

R. Wiesendanger, 1st Int. Symposium on Advanced Physical Fields, Tsukuba (Japan)

1996-3-14: **Nanoelectronic properties of thin films**

R. Wiesendanger, 2nd Workshop on Science and Technology of Thin Films, Trieste (Italy)

1996-3-12: **Nanoelectronic properties of thin films**

R. Wiesendanger, 2nd Workshop on Science and Technology of Thin Films, Trieste (Italy)

1996-2-22: **Observation and local spectroscopy of metallic nanostructures**

R. Wiesendanger, CMO Symposium, Enschede (The Netherlands)

1995-10-16: **Issues in Atomic-Resolution Structure and Chemical Analysis by Scanning Probe Microscopy and Spectroscopy**

R. Wiesendanger, AVS '95, Minneapolis (USA)

1995-10-4: **Interaction of surfaces with local probes: Novel routes to nanofabrication**

R. Wiesendanger, Workshop on Surface Memories Using Atomically Resolving Techniques, Münster (Germany)

1995-10-2: **Spektroskopie an einzelnen Atomen und Clustern**

R. Wiesendanger, Workshop on New Developments in the Physics of Low-Dimensional Systems, Schloß Ringberg, Tegernsee (Germany)