

- 03.06.86: Bad Honnef, Germany (Workshop on Non-Crystalline Metallic Materials):
"Scanning Tunneling Microscopy applied to Non-Crystalline Metallic Materials".
- 18.06.86: University of Basel, Switzerland (Seminar):
"Scanning Tunneling Microscopy - an overview".
- 30.06.86: Baden-Baden, Germany (Carbon'86):
"The micromorphology of graphite surfaces as studied by SEM and the novel scanning tunneling microscope (STM)".
- 14.07.86: Santiago de Compostela, Spain (STM'86):
"Application of scanning tunneling microscopy to disordered systems".
- 15.07.86: Santiago de Compostela, Spain (STM'86):
"Investigations of various graphite surfaces by scanning tunneling microscopy".
- 09.10.86: Bern, Switzerland (SPG'86 Fall Meeting):
"Scanning tunneling microscopy of metallic glasses and graphite".
- 09.12.86: Bayer Leverkusen, Germany (Seminar):
"Anwendung der Rastertunnelmikroskopie (RTM) auf verschiedene Festkörperoberflächen".
- 09.01.87: University of Basel, Switzerland (Colloquium):
"Prinzipien der Rastertunnelmikroskopie sowie deren Bedeutung und Anwendung in der Physik und Chemie".
- 18.03.87: New York, USA (APS March Meeting):
"Information from local barrier height profiles by scanning tunneling microscopy".
- 27.04.87: University of Neuenburg, Switzerland (Colloquium):
"Principles of scanning tunneling microscopy and applications in physics and chemistry".
- 01.06.87: University of Regensburg, Germany (Colloquium):
"Rastertunnelmikroskopie an nichtkristallinen Festkörpern".
- 05.06.87: TU Clausthal, Germany (Festkörpertag des SFB 126): [INVITED]
"Rastertunnelmikroskopie in der Metallphysik".
- 25.06.87: Amsterdam, The Netherlands (ICSOS-II):
"Surface structure of metallic glasses studied by scanning tunneling microscopy".

- 23.07.87: Oxnard, USA (STM'87): [INVITED]
"STM and AFM experiments of selected materials".
- 04.08.87: Montreal, Canada (Int. Conf. on Rapidly Quenched
Materials, RQ6):
"Icosahedral Al-Mn studied by scanning tunneling microscopy".
- 15.09.87: Bremen, Germany (DGE'87-Meeting): [INVITED]
"Rastertunnelmikroskopie - Konkurrenz oder Ergänzung zur
traditionellen Rasterelektronenmikroskopie?".
- 22.01.88: University of Konstanz, Germany (Seminar):
"Rastertunnelmikroskopie an strukturell und chemisch
inhomogenen Festkörperoberflächen".
- 28.01.88: Vakuumschmelze Hanau, Germany (Colloquium):
"Anwendung der Rastertunnelmikroskopie auf metallische
Werkstoffe".
- 27.05.88: FU Berlin, Germany (Seminar):
"Rastertunnelmikroskopie an chemisch inhomogenen
Festkörperoberflächen".
- 23.05.89: Berlin, Germany (ISGIC-5): [INVITED]
"Surface structure of graphite intercalation compounds
resolved in real space by scanning tunneling microscopy".
- 10.07.89: Oarai, Japan (STM'89):
"Different response of atomic force microscopy and scanning
tunneling microscopy to charge density waves".
- 01.12.89: University of Basel, Switzerland (Colloquium):
"Rastertunnelmikroskopie - Mikroskopie auf die Spitze getrieben".
- 26.03.90: Regensburg, Germany (DPG'90):
"Charakterisierung von Laser- und thermisch behandelten Silizium-
oberflächen mit dem Rastertunnelmikroskop".
- 26.03.90: Regensburg, Germany (DPG'90):
"Rastertunnelmikroskopische Untersuchungen von Punkt- und
Liniendefekten auf Siliziumoberflächen".
- 05.04.90: Düsseldorf, Germany (VDI-Kolloquium): [INVITED]
"Herstellung und Wiedererkennung von Nanometerstrukturen
mit dem Rastertunnelmikroskop".
- 06.04.90: St. Gallen, Switzerland (SPG'90 Spring Meeting): [INVITED]
"Beobachtung vom Vakuumtunneln spinpolarisierter
Elektronen mit dem Rastertunnelmikroskop".

- 17.04.90: San Francisco, USA (MRS'90 Spring Meeting):
"From point defects to amorphous structures: atomic resolution studies of semiconductor surfaces by scanning tunneling microscopy (STM)".
- 20.04.90: San José, USA (IBM Almaden) Seminar:
"Surface defects, domains and magnetic structures: recent STM results".
- 22.06.90: RWTH Aachen, Germany (Seminar):
"Rastersonormethoden in der Nanowissenschaft und Nanotechnologie".
- 23.07.90: Baltimore, USA (STM'90/NANO-I):
"Vacuum tunneling of spin-polarized electrons detected by scanning tunneling microscopy".
- 04.09.90: Amsterdam, The Netherlands (EPS-8, Trends in Physics): [INVITED]
"Recent progress in scanning tunneling microscopy".
- 18.10.90: Bad Honnef, Germany (Workshop on Amorphous Semiconductors):
"Rastertunnelmikroskopie an ungeordneten Halbleiteroberflächen".
- 20.11.90: University of Frankfurt, Germany (Colloquium):
"Atom-aufgelöste Analytik in der Oberflächen- und Grenzflächen-Chemie und Physik".
- 27.11.90: University of Basel, Switzerland (Habilitationvortrag):
"Über den neuen Umgang mit Atomen".
- 11.01.91: Santa Barbara, USA (Conference on Scanned Probe Microscopies: STM and Beyond): [INVITED]
"Tunneling of spin-polarized electrons".
- 18.01.91: University of Hamburg, Germany (Colloquium):
"Hochauflösende Rastersonormethoden in der Oberflächen- und Mikrostrukturforschung".
- 15.02.91: Obertraun, Austria (Symposium on Surface Science): [INVITED]
"Scanning tunneling microscopy with spin-polarized electrons".
- 05.03.91: Bad Honnef, Germany (Workshop on STM):
"Spinpolarisiertes STM".
- 14.03.91: University of Linz, Austria (Colloquium):
"Zehn Jahre Rastertunnelmikroskopie: Beiträge zur Oberflächenphysik".

- 08.04.91: Münster, Germany (DPG'91): [INVITED]
"Neue Entwicklungen in der Rastertunnelmikroskopie".
- 15.04.91: University of Nijmegen, The Netherlands (Seminar):
"Spin-Polarized Scanning Tunneling Microscopy".
- 29.04.91: Anaheim, USA (MRS'91 Spring Meeting): [INVITED]
"Spin-Polarized Scanning Tunneling Microscopy".
- 30.05.91: Strasbourg, France (E-MRS Spring Meeting): [INVITED]
"Fabrication of nanometer structures using STM".
- 10.06.91: University of Münster, Germany (Colloquium):
"Lokale Eigenschaften von Festkörperoberflächen im Licht
neuer hochauflösender Rastersonormethoden".
- 04.07.91: University of Munich, Germany (Colloquium):
"Rastertunnelmikroskopie an Schichtstrukturen und
Interkalationsverbindungen".
- 14.08.91: Interlaken, Switzerland (STM'91):
"Recent Advances in Spin-Polarized Scanning Tunneling
Microscopy".
- 02.09.91: Edinburgh, GB (Int. Conf. on Magnetism, ICM'91): [INVITED]
"Spin-Polarized Scanning Tunneling Microscopy".
- 14.10.91: University of Augsburg, Germany (Colloquium):
"Magnetisch sensitive Rastertunnelmikroskopie an ausge-
wählten magnetischen Modellsystemen".
- 27.11.91: MPI für Festkörperforschung, Stuttgart, Germany (Seminar):
"Lokale Eigenschaften von Festkörperoberflächen im Licht
neuer hochauflösender Rastersonormethoden".
- 16.01.92: University of Hamburg, Germany (Colloquium):
"Magnetisch sensitive Rastertunnelmikroskopie an ausge-
wählten magnetischen Modellsystemen".
- 29.01.92: University of Göttingen, Germany (Colloquium):
"Lokale Eigenschaften von Festkörperoberflächen im Licht
neuer hochauflösender Rastersonormethoden".
- 21.02.92: University of Basel, Switzerland (Colloquium und
Antrittsvorlesung):
"Direkte Abbildung und Manipulation von Spins mittels
spinpolarisierter Rastertunnelmikroskopie".

- 26.02.92: Mauterndorf, Austria (Winter-School on New Concepts in Low Dimensional Electronic Systems): [INVITED]
"Contributions of scanning tunneling microscopy for probing and manipulating electronic properties in low dimensions".
- 16.03.92: Regensburg, Germany (DPG'92): [INVITED]
"Magnetische Abbildung von Oberflächen auf atomarer Skala mittels magnetisch sensitiver Rastertunnelmikroskopie".
- 27.03.92: Glasgow, GB (CAMST meeting): [INVITED]
"Spin-polarized scanning tunneling microscopy".
- 05.05.92: University of Basel, Switzerland (EM-Colloquium):
"Lokale Eigenschaften von Festkörperoberflächen im Licht hochauflösender Rasterelektromethoden".
- 27.05.92: University of Tübingen, Germany (Colloquium):
"Grundlagen und Anwendungen hochauflösender Rasterelektromethoden in der Oberflächen- und Nanostrukturforschung".
- 05.06.92: University of Marburg, Germany (Colloquium):
"Lokale Eigenschaften von Festkörperoberflächen im Licht hochauflösender Rasterelektromethoden".
- 16.06.92: Cargèse, France (NATO Workshop): [INVITED]
"Magnetic-sensitive scanning probe microscopy".
- 02.07.92: University of Mainz, Germany (Colloquium):
"Lokale Eigenschaften von Festkörperoberflächen im Licht hochauflösender Rasterelektromethoden".
- 17.08.92: Ventura, USA (Conference on Atomic- and Nano-scale Modifications of Materials): [INVITED]
"Atomic-scale imaging and modification of spins using a magnetic-sensitive scanning tunneling microscope".
- 07.09.92: Lyon, France (Symposium on Magnetic Ultra-thin Films, Multilayers and Surfaces): [INVITED]
"Magnetic imaging of surfaces on the atomic scale by spin-polarized scanning tunneling microscopy".
- 04.11.92: University of Zürich, Switzerland (Colloquium):
"Lokale Eigenschaften von Festkörperoberflächen im Licht hochauflösender Rasterelektromethoden".
- 02.12.92: Houston, USA (37th Conference on Magnetism & Magnetic Materials): [INVITED]
"Magnetic imaging of surfaces on the atomic scale by spin-polarized scanning tunneling microscopy".

- 08.01.93: Bad Honnef, Germany (Dreikönigstreffen Oberflächenmagnetismus): [INVITED]
"Spinempfindliche Rastertunnelmikroskopie: Stand und Perspektiven".
- 05.03.93: Düsseldorf, Germany (VDI-Veranstaltung): [INVITED]
"Kombinierte SXM-Analyseverfahren".
- 23.03.93: Freiburg i.Br., Germany (Waldhoftagung): [INVITED]
"Von der atomaren Abbildung zu atomaren Datenspeichern und Bauelementen: Zukunftsperspektiven der Rastertunnel- und Rastersensormikroskopie".
- 30.04.93: Bad Honnef, Germany (Gemeinsame Sitzung der Arbeitskreise Mikro- und Nanotechnik sowie Optoelektronik): [INVITED]
"Neue Entwicklungen in der Rastersensormikroskopie".
- 13.05.93: University of Hamburg, Germany (Colloquium und Antrittsvorlesung):
"Struktur und Strukturierung von Festkörperoberflächen bis zur atomaren Skala mittels Rastersondenmethoden".
- 24.05.93: Jaszowiec, Poland (22nd Internat. School on Physics of Semiconducting Compounds): [INVITED]
"Scanning Tunneling Microscopy".
- 25.05.93: Warsaw, Poland (Seminar Polish Academy of Sciences):
"Effects of electron spin polarization in STM".
- 28.06.93: University of Duisburg, Germany (Colloquium):
"Lokale Eigenschaften von Festkörperoberflächen im Licht hochauflösender Rastersondenmethoden".
- 12.07.93: University of Tübingen, Germany (Colloquium):
"Neue Entwicklungen in der Rastersensormikroskopie".
- 13.08.93: Beijing, China (STM'93):
"Wigner glass on the magnetite (001) surface observed by STM with a ferromagnetic tip".
- 01.09.93: Szelment, Poland (Workshop on Physics of Ultrathin Magnetic Films): [INVITED]
"Scanning tunneling microscopy with ferromagnetic probe tips".
- 07.09.93: Wien, Austria (Int. Conf. on Thin Films, ICTF-9): [INVITED]
"Contributions of Scanning Probe Microscopy and Spectroscopy to the Investigation and Fabrication of Nanostructures".

- 11.09.93: Tokyo, Japan (Domestic Conference of Magnetism Society of Japan):
"Spin-sensitive Scanning Tunneling Microscopy". [INVITED]
- 13.09.93: Yokokama, Japan (Seminar at SONY Research Center):
"Contributions of Scanning Probe Microscopy and Spectroscopy to the Investigation and Fabrication of Nanostructures".
- 14.09.93: Tsukuba, Japan (Seminar at Electrotechnical Laboratory):
"Contributions of Scanning Probe Microscopy and Spectroscopy to the Investigation and Fabrication of Nanostructures".
- 16.09.93: Tsukuba, Japan (Seminar at Aono Atomcraft Project Laboratory):
"Contributions of Scanning Probe Microscopy and Spectroscopy to the Investigation and Fabrication of Nanostructures".
- 28.09.93: Jülich, Germany (1. Arbeitstreffen "Nanomodifikation von Oberflächen"):
"Nanomodifikation von Oberflächen: Internationaler Stand der Technik, Handlungsbedarf". [INVITED]
- 28.10.93: University of Paderborn, Germany (Colloquium):
"Neue Entwicklungen in der Rasterelektronenmikroskopie".
- 15.12.93: Dresden, Germany (1. Dresdner Sensor-Symposium):
"Sensorik im Nanometerbereich: Rasterverfahren zur Abbildung und Strukturierung". [INVITED]
- 15.03.94: Schloß Ringberg, Tegernsee, Germany (Int. Symp. on Artificially Structured Materials and Biomimetics):
"Atomic and Nanometer-Scale Modification of Materials by Scanning Probe Methods". [INVITED]
- 04.05.94: University of Chemnitz, Germany (Colloquium):
"Lokale Eigenschaften von Festkörperoberflächen im Licht hochauflösender Rasterelektronenmethoden".
- 11.05.94: MPI Göttingen, Germany (Seminar):
"Lokale Eigenschaften von Festkörperoberflächen im Licht hochauflösender Rasterelektronenmethoden".
- 06.06.94: Keauhou-Kona, Hawaii, USA (Conference on Ordered Molecular and Nanoscale Electronics):
"Nanoengineering based on local probe methods: mechanical, electronic, thermal and magnetic manipulations of matter at the nanometer scale". [INVITED]

- 27.06.94: Hahn-Meitner-Institut Berlin, Germany (Colloquium):
"Lokale Eigenschaften von Festkörperflächen im Licht
hochauflösender Rastersondenmethoden".
- 27.10.94: Denver, USA (41st AVS Symposium / NANO-3):
"Nanotribological Investigations of Epitaxial C₆₀ Films on
GeS(001) by Lateral Force Microscopy and Force
Spectroscopy".
- 09.12.94: Kanazawa, Japan (2nd Int. Coll. STM): [INVITED]
"Recent Advances in Nano-Structural Investigations and
Modifications of Solid Surfaces by Scanning Probe Methods".
- 12.12.94: Tokyo, Japan (Workshop on Spin-STM): [INVITED]
"Spin-Polarized Scanning Tunneling Microscopy and
Spectroscopy: Concept, Potential Applications, and Key
Issues".
- 20.12.94: University of Warwick, GB (IOP Conference): [INVITED]
"High Resolution Magnetic Imaging by Scanning
Microscopy".
- 17.02.95: Freiburg i.Br., Germany (Nanoscope User Meeting): [INVITED]
"Nanomechanische Eigenschaften und Strukturierung von
dünnen Filmen mittels eines Rasterkraftmikroskops".
- 27.03.95: Helsinki, Finland (Workshop on Scanning Probe Techniques [INVITED]
in Surface Engineering):
"Nanostructural Investigations and Modifications of Solid
Surfaces by Scanning Probe Microscopy and Spectroscopy".
- 09.05.95: Niedernhausen, Germany (OMICRON User Meeting): [INVITED]
"Micro- and Nanostructural Investigations of Magnetic
Systems by UHV-STM and SFM Methods".
- 11.05.95: RWTH Aachen, Germany (Seminar):
"Rastersonden-Mikroskopie und -Spektroskopie: Zugang
zur Physik auf der Nanometerskala".
- 29.05.95: University of Kiel, Germany (Colloquium):
"Rastersonden-Mikroskopie und -Spektroskopie: Zugang
zur Physik auf der Nanometerskala".
- 20.06.95: Les Houches, France (NATO School on Physics and [INVITED]
Chemistry of Low Dimensional Inorganic Conductors):
"Scanning tunneling and atomic force microscopy on CDW
and related materials".

- 02.07.95: Uppsala, Sweden (Summer School on Modern Characterization Techniques for Thin Molecular Films and Immobilized Biomolecules):
"Scanning Probe Microscopy and Spectroscopy: Experimental Methods and Applications to Thin Molecular Films". [INVITED]
- 06.07.95: MPI für Festkörperforschung, Stuttgart, Germany (Seminar):
"Rastersondenmikroskopie und -spektroskopie: Zugang zur Physik auf der Nanometerskala".
- 14.09.95: Leipzig, Germany (DGE'95-Meeting):
"Wechselwirkung von Oberflächen mit lokalen Sonden: Neue Wege der Nanostrukturierung". [INVITED]
- 21.09.95: Leoben, Austria (ÖPG'95):
"Rastersondenmikroskopie und Spektroskopie: Zugang zur Physik auf der Nanometerskala". [INVITED]
- 02.10.95: Schloß Ringberg, Tegernsee, Germany (Workshop on New Developments in the Physics of Low-Dimensional Systems):
"Spektroskopie an einzelnen Atomen und Clustern". [INVITED]
- 04.10.95: Münster, Germany (Workshop on Surface Memories Using Atomically Resolving Techniques):
"Interaction of surfaces with local probes: Novel routes to nanofabrication". [INVITED]
- 16.10.95: Minneapolis, USA (42nd AVS Symposium):
"Issues in Atomic-Resolution Structure and Chemical Analysis by Scanning Probe Microscopy and Spectroscopy". [INVITED]
- 05.12.95: Technical University of Braunschweig, Germany (Colloquium):
"Rastersondenmikroskopie und -spektroskopie: Zugang zur Physik auf der Nanometerskala".
- 10.01.96: IFW Dresden, Germany (Colloquium):
"Korrelation struktureller, elektronischer und magnetischer Eigenschaften auf der Nanometerskala mittels Rastersondenmikroskopie und -spektroskopie".
- 18.01.96: University of Kassel, Germany (Colloquium):
"Rastertunnelmikroskopie und Spektroskopie an einzelnen Atomen, Clustern, 2D- und 3D-Inseln auf metallischen Substraten".
- 29.01.96: University of Ulm, Germany (Colloquium):
"Rastersondenmikroskopie und Spektroskopie: Zugang zur Physik auf der Nanometerskala".

- 22.02.96: Enschede, The Netherlands (CMO Symposium): [INVITED]
"Observation and local spectroscopy of metallic nanostructures".
- 12.03.96: Trieste, Italy (2nd Workshop on Science and Technology [INVITED]
of Thin Films):
"Nanoelectronic properties of thin films".
- 14.03.96: Trieste, Italy (2nd Workshop on Science and Technology [INVITED]
of Thin Films):
"Nanomagnetic properties of thin films".
- 14.03.96: Trieste, Italy (2nd Workshop on Science and Technology [INVITED]
of Thin Films):
"Nanomechanical properties of thin films".
- 25.03.96: Tsukuba, Japan (1st Int. Symposium on Advanced Physical [INVITED]
Fields):
"Local and Scanning Tunneling Spectroscopy of
0D - 3D Metallic Nanostructures".
- 08.05.96: MPI für Festkörperforschung, Stuttgart, Germany [INVITED]
(Workshop on "Nanoscale Science with Scanning Probe
Techniques"):
"Scanning Probe Spectroscopy of Magnetic Nanostructures:
from Single Atoms to 3D-islands".
- 29.05.96: Atlanta, USA (40th Int. Conf. Electron, Ion and Photon Beam [INVITED]
Technology and Nanofabrication):
"Application of Scanning Probe Methods for Electronic and
Magnetic Device Fabrication, Characterization and Testing".
- 13.06.96: MPI für Mikrostrukturphysik, Halle, Germany (Colloquium):
"Korrelation struktureller, elektronischer und magnetischer
Eigenschaften auf der Nanometerskala mittels Rastersonden-
mikroskopie und -spektroskopie".
- 21.06.96: Fraunhofer-Institut für Siliziumtechnologie, Itzehoe, [INVITED]
Germany (1. Norddeutscher Technologiedialog):
"Von der Mikro- zur Nanotechnik mit Spitzentechnologien".
- 10.09.96: Beijing, China (NANO-IV): [INVITED]
"Magnetic Nanostructures studied by Scanning Probe
Microscopy and Spectroscopy".
- 07.11.96: Bad Honnef, Germany (WE-Heraeus-Seminar über [INVITED]
Nanostrukturwissenschaften und -technik):
"Beiträge der Rastertunnel-Mikroskopie und -Spektroskopie
zur Nanostrukturwissenschaft".

- 16.01.97: University of Erlangen, Germany (SFB-Colloquium):
"Rastersondenmikroskopie und Spektroskopie: Zugang zur
Physik auf der Nanometerskala".
- 23.01.97: University of Hamburg, Germany (Colloquium):
"Rastersondenmikroskopie und Spektroskopie: Zugang zur
Physik und Chemie auf der Nanometerskala".
- 27.01.97: Bad Honnef, Germany (WE-Heraeus-Seminar [INVITED]
"New Nanostructures below 100 nm: Perspectives and
Applications"):
"Nanofabrication by Scanning Probe Methods: Current Status
and Challenges for the Future".
- 13.03.97: PTB Braunschweig, Germany (Seminar):
"Von der Nanostrukturierung mittels Rastersondenmethoden
zur hochdichten Datenspeicherung: Probleme und Lösungs-
ansätze".
- 22.03.97: Großarl, Austria (Seminar "Grundlagen und Technologie [INVITED]
elektronischer Bauelemente"):
"Rastersondenmikroskopie und -Spektroskopie an Halbleiter-
oberflächen und Bauelementen".
- 25.03.97: Hamburg, Germany (MNU'97): [INVITED]
"Aktuelle Entwicklungen in der Mikro- und Nanostruktur-
forschung".
- 09.04.97: FHI der MPG, Berlin, Germany (Seminar):
"Rastersondenmikroskopie und -Spektroskopie: Zugang
zur Physik und Chemie auf der Nanometerskala".
- 13.05.97: Chicago, USA (Scanning Microscopy'97): [INVITED]
"Formation and Physical Properties of Magnetic
Nanostructures studied by Scanning Probe Spectroscopy".
- 20.05.97: University of Santa Barbara, USA (Seminar):
"Scanning Probe Methods in Science and Technology of
Magnetism".
- 20.06.97: Munich, Germany (3rd German-American Annual [INVITED]
Symposium "Frontiers of Science "):
"Nano-Science and Nano-Technology: An Excursion into a
Small World".
- 19.09.97: Haydau, Germany (Workshop on Nanostructures): [INVITED]
"Correlation between nano-scale structural, electronic
and magnetic properties of thin films by scanning probe
microscopy and spectroscopy".

- 11.12.97: Kanazawa, Japan (5th Int. Coll. on STM): [INVITED]
"Local electronic properties in the presence of internal and external magnetic fields studied by variable-temperature scanning tunneling spectroscopy".
- 29.01.98: University of Rostock, Germany (Colloquium):
"Tiefemperatur-Tunnelspektroskopie an Halbleitern und magnetischen Systemen".
- 17.02.98: Bad Honnef, Germany (WE-Heraeus-Seminar on Spin-dependent Transport): [INVITED]
"Nanosopic Spin-valve Structures".
- 19.03.98: Regensburg, Germany (TATF'98): [INVITED]
"Correlation between atomic, local electronic and magnetic structure of thin films by scanning probe spectroscopy".
- 08.05.98: IFF, Forschungszentrum Jülich, Germany (Kolloquium):
"Vom Quantenpunkt zur quantenmagnetischen Speicherung: Tieftemperatur-Rastersondenspektroskopie an Halbleitern und Ferromagneten".
- 11.05.98: La Grande Motte, France (ECSC-6): [INVITED]
"Scanning Tunneling Microscopy and Spectroscopy: Correlation of Structural, Electronic and Magnetic Information on the Nanometer Scale".
- 16.05.98: University of Heidelberg, Germany (Int. Symp. on Modern Topics in Applied Physics): [INVITED]
"Low-Temperature Scanning Tunneling Spectroscopy of Electronic States in Semiconductors and Ferromagnets".
- 29.05.98: Kraków, Poland (Int. Symp. Nano-Scale Modification of Surfaces): [INVITED]
"Characterisation and Modification of Magnetic Nano-structures by Local Probe Methods".
- 16.06.98: Vancouver, Canada (3rd Int. Symp. on Metallic Multilayers, MML'98):
"Correlation between atomic, local electronic and magnetic structure of Gd(0001) thin films by variable-temperature scanning tunneling spectroscopy".
- 17.06.98: Vancouver, Canada (3rd Int. Symp. on Metallic Multilayers, MML'98):
"Thickness-dependent magnetic domain structures of ultrathin Co-films on Au(111) studied by magnetic force microscopy in ultrahigh vacuum".

- 03.07.98: University of Bonn, Germany (SFB-Workshop): [INVITED]
"Rastersondenmikroskopie und -Spektroskopie an Festkörperdefekten".
- 15.07.98: University of Tübingen, Germany (Kepler-Vorlesung):
"Von der Mikroelektronik zur Nanoelektronik: Neue faszinierende Einblicke in das mikroskopische Verhalten von Festkörperelektronen".
- 20.07.98: University of Karlsruhe, Germany [INVITED]
(Graduiertenkolleg-Workshop):
"Tieftemperatur-Rastertunnelspektroskopie an Halbleitern und Ferromagneten".
- 23.10.98: Nijmegen, The Netherlands [INVITED]
(6th Dutch Symposium on Scanning Probe Microscopy):
"Variable-temperature scanning tunneling spectroscopy on semiconductors and ferromagnets".
- 06.11.98: University of Heidelberg, Germany (Colloquium):
"Von der Mikroelektronik zur Nanoelektronik: Neue faszinierende Einblicke in das mikroskopische Verhalten von Festkörperelektronen".
- 27.11.98: Hamburg, Germany (Handelskammer): [INVITED]
"Kompetenzzentrum Nanotechnologie in Hamburg".
- 14.12.98: HMI Berlin, Germany (Colloquium):
"Von der Mikroelektronik zur Nanoelektronik: Neue faszinierende Einblicke in das mikroskopische Verhalten von Festkörperelektronen".
- 15.12.98: TU Dresden, Germany (Colloquium):
"Tieftemperatur-Rastersondenspektroskopie: Zugang zur Physik auf der Nanometerskala".
- 13.01.99: Monterey, USA (MORIS'99): [INVITED]
"Recent Advances in Spin-Polarized Scanning Tunneling Spectroscopy for Imaging of Magnetic Domains".
- 15.01.99: University of California at Berkeley, USA (Seminar):
"From Micro- to Nanoelectronics: Novel Insight into the Microscopic Nature of Electronic States in Semiconductors and Ferromagnets".
- 26.01.99: University of Hannover, Germany (Colloquium):
"Von der Mikroelektronik zur Nanoelektronik: Neue faszinierende Einblicke in das Mikroskopische Verhalten von Festkörperelektronen".

- 24.03.99: Atlanta, USA (APS Centennial Meeting): [INVITED]
"Spin Polarized Scanning Tunneling Spectroscopy with
Magnetic Probe Tips".
- 25.03.99: Atlanta, USA (APS Centennial Meeting): [INVITED]
"Low-Temperature Scanning Tunneling Spectroscopy on
n-InAs(110) at High Magnetic Fields: Landau Level
Quantization and Scattering of Electron Waves at Dopant
Atoms".
- 13.04.99: TU Ilmenau, Germany (Colloquium):
"Von der Mikroelektronik zur Nanoelektronik: Neue
faszinierende Einblicke in das mikroskopische Verhalten
von Festkörperelektronen".
- 20.04.99: Hannover, Germany (Messe): [INVITED]
"Die Augen des Nanokosmos - das Kompetenzzentrum
'Nanoanalytik' ".
- 05.05.99: University of Essen, Germany (Colloquium):
"Spinpolarisierte Rastertunnelspektroskopie: Ein neuer
Zugang zum Nanomagnetismus".
- 27.05.99: WISTA, Berlin-Adlershof, Germany:
"Die Augen des Nanokosmos - das Kompetenzzentrum
'Nanoanalytik' ".
- 27.09.99: Chemnitz, Germany (WE-Heraeus-Ferienkurs [INVITED]
"Moderne Fernfeld- und Nahfeld-Mikroskopien"):
"Raster-Tunnel-Mikroskopie: Grundlagen und Anwendungen".
- 07.10.99: Dresden, Germany (WE-Heraeus-Ferienkurs [INVITED]
"Festkörperspektroskopie"):
"Raster-Tunnel-Spektroskopie: Grundlagen und
Anwendungen".
- 22.10.99: Groningen, The Netherlands (Symposium "Magnetism at [INVITED]
Surfaces and Interfaces"):
"Spin-polarized vacuum tunneling spectroscopy: Correlation
of structural, electronic, and magnetic properties of surfaces
at the nanometer scale".
- 25.10.99: Seattle, USA (46th AVS Symposium):
"Low-temperature tunneling spectroscopy of the tip-induced
quantum dot on n-InAs(110)".
- 28.10.99: Seattle, USA (46th AVS Symposium): [INVITED]
"Spin-polarized scanning tunneling spectroscopy: Magnetic
domain imaging and beyond".

- 29.11.99: University of Hamburg, Germany (Colloquium, FB Informatik):
"Nanotechnologie und ihre Bedeutung für die Informationstechnik".
- 08.03.00: Sendai, Japan (Int. Symp. on Nanoscale Magnetism and Transport): [INVITED]
"A Nano- and Atomic-Scale View of Surface Magnetism by Spin-Polarized Scanning Tunneling Spectroscopy".
- 14.03.00: Montreux, Switzerland (EPS-CMD18): [INVITED]
"Scanning Tunneling Spectroscopy at Low Temperatures and High Magnetic Fields: a Nano-scale View of Landau Quantization, Spin Splittings and Spin-Polarized Tunneling Effects".
- 31.03.00: Namur, Belgium (IUVSTA Divisional Highlight Seminar): [INVITED]
"Magnetic Nanostructures probed by Spin-Polarized Scanning Tunneling Spectroscopy".
- 13.04.00: London, U.K. (UK SPM 2000 Meeting): [PLENARY]
"Low-Temperature Scanning Tunneling Spectroscopy of Electronic States at Semiconductor and Ferromagnet Surfaces in External Magnetic Fields".
- 05.06.00: University of Regensburg, Germany (Colloquium):
"Neue Einblicke in den Nanokosmos".
- 06.06.00: University of Stuttgart, Germany (Colloquium):
"Neue Einblicke in den Nanokosmos".
- 15.06.00: IFW Dresden, Germany (BMBF-Seminar "Magnetoelektronik"):
"Observation of in-plane and out-of-plane magnetization in magnetic nanostructures".
- 30.06.00: University of Hamburg, Germany (Workshop on Nanomagnetism, Magneto- and Spinelectronics):
"Messung magnetischer Dipolkräfte, quantenmechanischer Austauschkräfte und spinpolarisierter Tunneleffekte an den Grenzen des technisch Möglichen".
- 05.07.00: University of Konstanz, Germany (SFB-Workshop on Nanostructures at Surfaces and Interfaces): [INVITED]
"Magnetic nanostructures at surfaces probed by spin-polarized scanning tunneling spectroscopy".
- 10.07.00: University of Bielefeld, Germany (Colloquium):
"Neue Einblicke in den Nanokosmos".

- 14.09.00: Hamburg, Germany (MNU-Tag 2000) [INVITED]
"Neue Einblicke in den Nanokosmos".
- 19.09.00: University of Twente, Enschede, NL (Colloquium):
"Novel Insight into the Nanoworld".
- 26.09.00: Münster, Germany (SXM4): [INVITED]
"Magnetic imaging at the atomic level".
- 28.09.00: Paris, France (2nd LEEM/PEEM workshop): [INVITED]
"Scanning Tunneling Microscopy (STM) and Spin-Resolved STM".
- 31.10.00: Berlin, Germany (Japanese-German Symposium on [INVITED]
Strategies in Nanotechnology):
"Nanoprobe Analysis in Physical Based Sciences".
- 11.12.00: Berlin, Germany (Symposium on 100 Years of Quantum [INVITED]
Theory):
"Nano-Scale Studies of Quantum Phenomena by Scanning
Probe Spectroscopy".
- 14.12.00: Berlin, Germany (Public Lecture to the Year of Physics): [INVITED]
"Neue faszinierende Einblicke in den Nanokosmos".
- 22.01.01: München, Germany (Colloquium):
"Neue Einblicke in den Nanokosmos".
- 01.02.01: University of Düsseldorf, Germany (Colloquium):
"Quantenphänomene auf der Nanometerskala:
Neue Einblicke mittels Rastertunnelspektroskopie".
- 06.02.01: University of Amsterdam, The Netherlands (Colloquium):
"Novel insight into the nanoworld".
- 21.02.01: PTB Braunschweig, Germany (158. PTB-Seminar: [INVITED]
Technologien für Datenspeicher der Zukunft II):
"Neue Entwicklungen auf dem Gebiet magnetischer
Datenspeicher".
- 01.03.01: Bad Honnef, Germany (DFG-Rundgespräch: Chemie und [INVITED]
Physik an Grenzflächen):
"Quantenphänomene auf der Nanometerskala: Neue
Einblicke mittels Rastertunnelspektroskopie".
- 20.04.01: University of Bonn, Germany (Colloquium):
"Quantenphänomene auf der Nanometerskala: Neue
Einblicke mittels Rastertunnelspektroskopie".

- 10.05.01: University of Duisburg, Germany (Colloquium):
"Von der Mikro- zur Nanoelektronik: Beiträge der
Rastersondenspektroskopie".
- 19.05.01: Washington D.C., USA (Sackler Colloquium of the [INVITED]
National Academy of Sciences on "Nanoscience"):
"Nano-scale Studies of Quantum Phenomena by Scanning
Probe Spectroscopy".
- 19.06.01: University of Saarbrücken, Germany (SFB-Seminar):
"Spinaufgelöste Spektroskopie auf atomarer Skala".
- 25.06.01: Schloß Ringberg, Tegernsee, Germany (Laserion-Workshop): [INVITED]
"Scanning Probe Based Science and Technology".
- 11.07.01: University of Würzburg, Germany (European Summer School [INVITED]
on Nanotechnology):
"Scanning Probe Spectroscopy of Semiconductor
Nanostructures".
- 11.07.01: University of Würzburg, Germany (European Summer School [INVITED]
on Nanotechnology):
"Scanning Probe Spectroscopy of Magnetic Nanostructures".
- 16.07.01: Vancouver, Canada (STM'01): [PLENARY]
"Nano-Scale Studies of Quantum Phenomena by Scanning
Probe Spectroscopy".
- 25.07.01: Trieste, Italy (VUV XIII Congress): [INVITED]
"Spin-Resolved Spectro-Microscopy at the Atomic Level".
- 09.08.01: Tokyo, Japan (International Congress on Analytical Sciences, [INVITED]
ICAS 2001):
"Contributions of Scanning Probe Spectroscopy to Analytical
Sciences".
- 05.09.01: PTB Braunschweig, Germany (Sino-German Symposium [INVITED]
on Micro Systems and Nano Technology):
"Semiconductor and magnetic nanostructures".
- 21.09.01: Schloß Gedern, Germany (3. Workshop on Quantum [INVITED]
Hall Systems):
"Nano-Science: the Beauty of Being Small".
- 09.11.01: Göttingen, Germany (Medienfestival "Bilder aus der Physik"): [INVITED]
"Das Unsichtbare wird sichtbar - Nutzung neuer Medien bei
der Vermittlung nanotechnologischer Forschung".

- 15.11.01: Tsukuba, Japan (LVII Yamada Conference on Atomic-scale surface designing for functional low-dimensional materials): "Spin-resolved spectro-microscopy at the atomic level". [INVITED]
- 17.11.01: University of Tokyo, Japan (Seminar): "Spin-resolved spectro-microscopy at the atomic level".
- 30.11.01: University of Hannover, Germany (Colloquium): "Nano-scale studies of quantum phenomena by scanning probe spectroscopy".
- 12.12.01: TU Delft, The Netherlands (Kronig Lectures): "Novel insight into nano-scale magnetism by spin-polarized STM". [INVITED]
- 29.01.02: University of Kiel, Germany (Colloquium): "Quantenphänomene auf der Nanometerskala: Neue Einblicke mittels Rastertunnelspektroskopie".
- 04.02.02: TU Eindhoven, The Netherlands (cNM Seminar): "Nano-scale studies of quantum phenomena by scanning probe spectroscopy".
- 14.02.02: Bad Honnef, Germany (DFG-Rundgespräch: Schichtsysteme): "Mikroskopische Aspekte magnetischer Schichtsysteme". [INVITED]
- 15.02.02: Grenoble, France (ESRF-Workshop on Surfaces and Interfaces on the Atomic- and Nano-Scale: Semiconductors, Magnetic Materials and Oxides): "Nano- and Atomic-Scale Magnetism: Novel Insight by Spin-Polarized Scanning Tunneling Spectroscopy". [INVITED]
- 26.02.02: Mauterndorf, Austria (12th International Winterschool on New Developments in Solid State Physics: Low-Dimensional Systems: From 2D to Molecules): "Tunneling Spectroscopy on Low-Dimensional Semiconductor and Magnetic Systems". [INVITED]
- 20.03.02: Indianapolis, USA (APS March Meeting): "Novel Insight into Nano- and Atomic-Scale Magnetism by Spin-Polarized STM". [INVITED]
- 09.04.02: Hamburg, Germany (Handelskammer-Forum "Wirtschaft trifft Wissenschaft"): "Nano-Biotechnologie: Innovationen an der Schnittstelle der Disziplinen". [INVITED]

- 13.05.02: RWE Solar GmbH, Alzenau, Germany (Materialforum Rhein-Main):
"Reise in den Mikrokosmos mit Hilfe neuer mikroskopischer Methoden". [INVITED]
- 14.05.02: University of Hamburg, Germany (Hamburger Tag der Physik für Lehrer):
"Nanotechnologie - Aufbruch in neue Welten".
- 24.05.02: University of Lund, Sweden (Seminar):
"Nano-Scale Studies of Low-Dimensional Electron Systems by Low-Temperature Scanning Tunneling Spectroscopy".
- 20.06.02: Strasbourg, France (E-MRS Spring Meeting):
"Nano-Scale Electronic and Magnetic Properties of Ultrathin Films Probed by Spin-Polarized Scanning Tunneling Spectroscopy". [INVITED]
- 27.06.02: Malmö, Sweden (ECOSS-21/NANO-7):
"Nano-Scale Studies of Quantum Phenomena in Low-Dimensional Electron Systems".
- 16.07.02: Erice, Italy (Euroconference on Quantum Phases at the Nanoscale):
"Nano-Scale Studies of Low-Dimensional Electron Systems by Low-Temperature Scanning Tunneling Spectroscopy (STS)". [INVITED]
- 12.08.02: Taipei, Taiwan (Special Public Lecture at Asia SPM 4 & Taipei Symposium on Nanotechnology):
"Novel Insight into Nano- and Atomic-Scale Magnetism". [INVITED]
- 20.08.02: Trieste, Italy (Int. Conf. on Science and Technology of Spin Transport in Nanostructures):
"Novel Insight into Nano- and Atomic-Scale Magnetism by Spin-Polarized Scanning Tunneling Spectroscopy". [INVITED]
- 25.08.02: Hiroshima, Japan (23rd Int. Conf. on Low-Temperature Physics, LT-23):
"Novel Insight into Nano- and Atomic-Scale Magnetism". [INVITED]
- 14.10.02: Hamburg (Workshop über Materialwissenschaften in Hamburg 2002):
"Beiträge der Rastersondenmikroskopie und -spektroskopie in der Materialforschung". [INVITED]
- 24.10.02: Seoul, South Korea (Int. Conf. on Nano-Science and Technology in celebration of the 50th anniversary of the Korean Physical Society):
"Novel Insight into Nano- and Atomic-Scale Magnetism". [INVITED]

- 15.11.02: Tampa, USA (47th Conf. on Magnetism & Magnetic Materials): [INVITED]
"Novel Insight into Nano- and Atomic-Scale Magnetism".
- 29.11.02: Handelskammer Hamburg, Germany (Symposium "Nanovision - Von der Idee über die Entwicklung zum Markt"): [INVITED]
"Von der Nanowissenschaft zur Nanotechnologie: Beiträge der Rastersondenmethoden".
- 03.12.02: University of Mainz, Germany (Colloquium):
"Magnetismus auf atomarer Skala: Neue Einblicke in ein altbekanntes Phänomen".
- 20.01.03: University of Leuven, Belgium (Colloquium):
"Novel Insight into Nano- and Atomic-Scale Magnetism by Spin-Polarized Scanning Tunneling Spectroscopy".
- 03.02.03: University of Bochum, Germany (Colloquium):
"Novel Insight into Nano- and Atomic-Scale Magnetism by Spin-Polarized Scanning Tunneling Spectroscopy".
- 06.02.03: Hanse-Wissenschaftskolleg Delmenhorst, Germany (Winterschool on Scanning Probe Microscopy and Spectroscopy): [INVITED]
"Spin-resolved Spectro-Microscopy".
- 14.05.03: Hamburg, Germany (Rotary Club HH-Blankenese):
"Vorstoß in den Mikrokosmos".
- 13.06.03: University of Basel, Switzerland (Colloquium):
"Novel Insight into Nano- and Atomic-Scale Magnetism".
- 17.06.03: Liverpool, U.K. (14th Interdisciplinary Surface Science Conference, ISSC-14): [INVITED]
"Novel Insight into Nano- and Atomic-Scale Magnetism".
- 17.07.03: Poznan, Poland (3rd Int. Symposium on Scanning Probe Spectroscopy): [INVITED]
"Spin-Polarized Scanning Tunneling Spectroscopy".
- 24.07.03: Eindhoven, The Netherlands (12th Int. Conference on Scanning Tunneling Microscopy and Related Techniques, STM'03): [INVITED]
"Internal spin structure of magnetic vortex cores studied by spin-polarized scanning tunneling spectroscopy".

- 28.07.03: Rome, Italy (International Conference on Magnetism, ICM'03): [INVITED]
"Fundamental studies of magnetism down to the atomic scale: present status and future perspectives of spin-polarized scanning tunneling microscopy".
- 12.09.03: Roskilde, Denmark (24th Int. Symposium on Materials Science: Superconductivity and Magnetism): [INVITED]
"Novel insight into nanomagnetism by spin-polarized scanning tunneling microscopy".
- 16.09.03: Bedlewo, Poland (Summer School on New Magnetism): [INVITED]
"Frontiers of nanomagnetism investigated by spin-polarised scanning tunneling spectroscopy".
- 23.09.03: Crete, Greece (3rd European Conference on Vortex Matter in Superconductors): [INVITED]
"Visualization of vortex states in superconductors and mesoscopic magnets by scanning probe methods".
- 01.10.03: Salzburg, Austria (53rd Annual ÖPG-Meeting): [INVITED]
"Magnetismus auf atomarer Skala: Neue Einblicke in ein altbekanntes Phänomen".
- 10.10.03: Århus, Denmark (1st iNANO-School): [INVITED]
"Scanning Tunneling Microscopy in Nanoscience".
- 31.10.03: Hamburg, Germany (Joachim Jungius-Gesellschaft der Wissenschaften): [INVITED]
"Nanotechnologie - Aufbruch in neue Welten".
- 04.11.03: Hamburg, Germany (Public Lecture): [INVITED]
"Nanotechnologie - Aufbruch in neue Welten".
- 13.11.03: Tsukuba, Japan (1st Internat. Symposium on Active Nano-Characterization and Technology, ANCT 2003): [INVITED]
"Quantum Phenomena of Nanostructures studied by Scanning Probe Spectroscopy at Low Temperatures and High Magnetic Fields".
- 14.11.03: Atsugi, Japan (Internat. Symposium on Functional Semiconductor Nanosystems, FSNS 2003): [INVITED]
"Nano-Scale Studies of Low-Dimensional Systems by Low-Temperature Scanning Tunneling Spectroscopy".
- 17.11.03: Nara, Japan (7th Internat. Conference on Atomically Controlled Surfaces, Interfaces and Nanostructures, ACSIN-7): [INVITED]
"Orbital Symmetry and Spin Character of Electronic States revealed by Spin-Polarized Scanning Tunneling Spectroscopy".

- 19.11.03: Cairns, Australia (Asia Pacific Nanotechnology Forum, APNF 2003): [INVITED]
"The German Center of Competence in Nano-Scale Analysis: From basic research to industrial applications".
- 20.11.03: Cairns, Australia (Asia Pacific Nanotechnology Forum, APNF 2003): [INVITED]
"Nano-Scale Studies of Magnetic Materials by Spin-Polarized Scanning Tunneling Spectroscopy".
- 02.12.03: Boston, USA (MRS Fall Meeting): [INVITED]
"Spin-Polarized Scanning Tunneling Microscopy as an Ultimate Tool for Future Magnetic Data Storage Technology".
- 11.12.03: Trieste, Italy (EuroNanoForum 2003): [INVITED]
"Scanning Probe Methods: The Eyes for the Nano-World".
- 02.02.04: University of Erlangen, Germany (Colloquium):
"Magnetismus auf atomarer Skala: Neue Einblicke in ein altbekanntes Phänomen".
- 11.02.04: PTB Braunschweig, Germany (191. PTB-Seminar: Magnetische Speichermedien der Zukunft): [INVITED]
"Magnetische Datenspeicherung auf dem Weg von Gigabits zu Terabits".
- 13.02.04: Hamburg, Germany (Rotary Club HH-Altona):
"Nanotechnologie - Aufbruch in neue Welten".
- 27.02.04: Donnersbach, Austria (19th Workshop on Novel Materials and Superconductivity): [INVITED]
"Magnetism at the Atomic Scale: Novel Insight by Spin-Polarized STM".
- 08.03.04: Kirchberg i.T., Austria (18th Int. Winterschool on Electronic Properties of Novel Materials: Molecular Nanostructures): [INVITED]
"Local electronic and mechanical properties of carbon nanotubes studied by low-temperature scanning probe spectroscopy".
- 13.04.04: Hamburg, Germany (Rotary Club HH-Steintor):
"Nanotechnologie - Aufbruch in neue Welten".
- 14.04.04: Hamburg, Germany (Rotary Club HH-Haake):
"Nanotechnologie - Aufbruch in neue Welten".
- 27.04.04: Halle, Germany (Vortragssitzung der Akademie Leopoldina): [INVITED]
"Nanotechnologie - Aufbruch in neue Welten".

- 30.04.04: Hamburg, Germany (Workshop "Nanotechnologie: Vom Studium zum eigenen Unternehmen"):
"Nanotechnologie an der Universität Hamburg".
- 07.05.04: Schloß Bensberg, Bergisch-Gladbach, Germany [INVITED]
(Leybold Vacuum GmbH, Workshop):
"Vacuum-based Science and Technology at the Nano-scale: Present Status and Future Perspectives".
- 12.05.04: Trieste, Italy (Research Conference on: "Advancing Frontiers of Optical and Quantum Effects in Condensed Matter") [INVITED]
"Quantum Phenomena of Nanostructures studied by Scanning Probe Spectroscopy at Low Temperatures and High Magnetic Fields".
- 18.05.04: Hamburg, Germany (Spring School on "Interdisciplinary Nanoscience: From Basic Research to Applications):
"Scanning Probe Methods: Novel Insight into the Nanoworld".
- 28.05.04: Balzers, Liechtenstein (unaxis Seminar):
"Magnetische Lesetechnik auf der Sub-Nanometerskala: Basis einer neuen magnetischen Speichertechnologie ?".
- 04.06.04: Münster, Germany (International CeNTech Workshop): [INVITED]
"Nanomagnetics: Current Status and Future Perspectives".
- 09.06.04: Genova, Italy (CNR-INFN National Conference on the Physics of Matter): [PLENARY]
"Quantum Phenomena of Nanostructures studied by Scanning Probe Spectroscopy at Low Temperatures and High Magnetic Fields".
- 22.06.04: Wiesbaden, Germany (7th Int. Conference on Nanostructured Materials NANO 2004): [INVITED]
"Nano-Scale Analysis of Nanostructured Materials by Scanning Probe Methods".
- 23.06.04: Schloß Ringberg, Tegernsee, Germany (Laserion-Workshop 2004: "Microfabrication, nanostructured materials and biotechnology"): [INVITED]
"Frontiers of Nanomagnetism explored by Spin-Polarized Scanning Tunneling Spectroscopy".
- 25.06.04: Porquerolles, France (Summer School on Fabrication, Manipulation and Spectroscopy of Nanostructures): [INVITED]
"Spin-Sensitive Scanning Tunneling Microscopy and Spectroscopy".

- 03.07.04: Hamburg, Germany (Int. Symposium on Nanobiomedicine: Moving Nanotechnology from Bench to Bedside):
"Cryogenic scanning force microscopy with true atomic resolution: Current status and challenges for the future".
- 23.08.04: Big Sky Resort, Montana, USA [INVITED]
(Gordon Research Conference on Magnetic Nanostructures):
"Frontiers of Nanomagnetism studied by Spin-Polarized Scanning Tunneling Microscopy".
- 06.09.04: Dresden, Germany [PLENARY]
(Joint European Magnetic Symposia JEMS'04):
"Nano-Scale Studies of Magnetic Materials by Spin-Polarized Scanning Tunneling Spectroscopy".
- 13.09.04: Miraflores de la Sierra, Madrid, Spain (11th Internat. Summer School Nicolás Cabrera: [INVITED]
Frontiers in Science and Technology-Magnetic Nanostructures):
"Spin-Resolved Spectroscopy and Magnetic Imaging at the Nano-scale".
- 14.09.04: Miraflores de la Sierra, Madrid, Spain (11th Internat. Summer School Nicolás Cabrera: [INVITED]
Frontiers in Science and Technology-Magnetic Nanostructures):
"Perspectives of Magnetic-Sensitive Imaging and Recording Using Scanning Probes".
- 28.09.04: Bristol, U.K. (IRC Workshop on Nanoscale Characterisation [INVITED]
and Biological Nanoscience):
"Frontiers of Nanomagnetism Studied by Spin-Polarized Scanning Tunnelling Spectroscopy".
- 08.10.04: University of Stuttgart, Germany (Colloquium on Nanoscience [INVITED]
and Atomic Processes in Materials):
"Neue Einblicke in die Nanowelt mittels Rastersonden-spektroskopie".
- 22.10.04: University of Cambridge, U. K. (Nanoscience Seminar): [INVITED]
"Frontiers of Nanomagnetism Studied by Spin-Polarized Scanning Tunnelling Spectroscopy".
- 27.10.04: Hamburg, Germany (Public Lecture): [INVITED]
"Nanotechnologie - Chancen und Perspektiven".
- 29.10.04: Heverlee, Belgium (Symposium on Magnetic Nanostructures): [INVITED]
"Novel Insight into Magnetic Nanostructures by Spin-Polarized Scanning Tunneling Microscopy and Spectroscopy".

- 18.11.04: Kashiwa, Chiba, Japan (Todai International Symposium 2004 [INVITED]
on Quantum Condensed Systems ISSP-9):
"Spin-Polarized Electron Physics with the STM".
- 23.11.04: Shonan Village Center, Kanagawa, Japan (International [INVITED]
Symposium on Nanostructures and Physicochemical
Properties of Polyoxometalate Superclusters and Related
Colloid Particles):
"Low-Temperature Scanning Probe Spectroscopy of Molecular
Systems and Quantum Dots".
- 30.11.04: University of Tokyo, Japan (International Symposium on [INVITED]
New Horizons in Condensed-Matter Physics):
"New Horizons in Magnetism by Atomic-Scale Magnetic
Probing".
- 04.03.05: Berlin, Germany (DPG'05): [INVITED]
"Spin Mapping on the Atomic Scale:
From 2D Antiferromagnets to Single Impurities".
- 02.05.05: Nijmegen, The Netherlands (IMM Symposium): [INVITED]
"New Horizons in Magnetism by Atomic-Scale
Magnetic Probing".
- 30.05.05: University of Marburg, Germany (Colloquium):
"Neue Einblicke in die Nano-Welt mittels Rastersonden-
spektroskopie".
- 10.06.05: Tri Studne, Czech Republic (IUVSTA Intern. Summer School [INVITED]
"Science and Technology at Nanoscale"):
"Scanning tunneling spectroscopy - Part I: Semiconductor
nanostructures".
- 10.06.05: Tri Studne, Czech Republic (IUVSTA Intern. Summer School [INVITED]
"Science and Technology at Nanoscale"):
"Scanning tunneling spectroscopy - Part II: Magnetic nano-
structures".
- 21.06.05: Dresden, Germany (25th GIF Meeting: Nanotubes and [INVITED]
Nanowires):
"Low temperature scanning tunnelling spectroscopy of carbon
nanotubes and magnetic nanowires".
- 25.06.05: Poznan, Poland (Physics of Magnetism '05): [INVITED]
"Physics of nanomagnetism revealed by spin-polarized
scanning tunneling spectroscopy".
- 04.07.05: Sapporo, Japan (STM'05): [INVITED]
"Recent progress in spin-polarized scanning tunneling
spectroscopy".

- 04.07.05: Sapporo, Japan (STM'05): [INVITED]
"Teaching Nanotechnology and SPM".
- 26.09.05: Bad Honnef, Germany (DPG-School on Physics: [INVITED]
The Physics of Imaging):
"Scanning probe imaging and spectroscopy of the solid state".
- 28.09.05: Poznan, Poland (Spintronics '05): [INVITED]
"Recent progress in spin-polarized scanning tunneling
spectroscopy".
- 18.10.05: Hamburg, Germany (Lecture to the Science and Technology
Committee of the NATO Parliamentary Assembly):
"Nanotechnology - Takeoff to a new world".
- 21.10.05: Berlin, Germany (ERA-Nanoscience Meeting): [INVITED]
"Nanoscience research in Hamburg".
- 28.10.05: Krakow, Poland (Joint Meeting of German and Polish [INVITED]
Vacuum Societies):
"New horizons in nanomagnetism by atomic-scale magnetic
probing".
- 21.11.05: Wien, Austria (CMS-Seminar):
"Physics of Nanomagnetism revealed by spin-polarized
scanning tunneling spectroscopy".
- 07.12.05: Kiel, Germany (2. NINa Schwerpunkttreffen: Nanoanalytik für [INVITED]
Forschung und Industrie):
"Nanoanalytik mittels Rastersonormethoden: Von der Grund-
lagenforschung zur industriellen Anwendung".
- 14.12.05: Hamburg, Germany (HiTec-Seminar):
Neue Materialien durch chemische Funktionalisierung und
Nanostrukturierung):
"Nanotechnologie - Aufbruch in neue Welten".
- 06.03.06: Amsterdam, The Netherlands (ERA-Nanoscience Meeting): [INVITED]
"Nanoscience research in Hamburg".
- 05.04.06: Hamburg, Germany (Lions Club Hamburg-Harburg):
"Nanotechnologie - Aufbruch in neue Welten".
- 04.05.06: Stanford University, USA (Condensed Matter Seminar):
"Frontiers of Nanomagnetism revealed by Spin-Polarized
Scanning Tunneling Microscopy".
- 05.05.06: Stanford University, USA (2nd Annual Nanoprobes [INVITED]
Workshop):
"Mapping Spin Structures on the Atomic Scale".

- 23.05.06: University of Trondheim, Norway
(Nanoscience/Nanotechnology Colloquium):
"New trends in ultra-high density magnetic data storage".
- 31.05.06: Nice, France (E-MRS Spring Meeting): [INVITED]
"Atomic- and nano-scale magnetic imaging by spin-polarized scanning tunneling spectroscopy".
- 06.07.06: Leuven, Belgium (Internat. Conf. on Nanoscale Superconductivity and Magnetism): [INVITED]
"Frontiers of nanomagnetism revealed by spin-polarized scanning tunneling spectroscopy".
- 02.08.06: Basel, Switzerland (Internat. Conf. on Nanoscience and Technology, ICN+T 2006): [INVITED]
"Nanoscience education: a multi-level approach".
- 02.08.06: Basel, Switzerland (Internat. Conf. on Nanoscience and Technology, ICN+T 2006): [PLENARY]
"Mapping spin structures on the atomic scale: from antiferromagnetic metals and insulators to novel nanomagnetic states".
- 01.09.06: Tsukuba, Japan (7th NIMS Symposium on Advanced Nano-Characterization): [INVITED]
"New horizons in nanomagnetism by atomic-scale magnetic SPM probing".
- 03.09.06: Sapporo, Japan (IFSM IMC16 Pre-School): [INVITED]
"Scanning probe microscopy and spectroscopy: methods and applications".
- 04.09.06: Sapporo, Japan (IMC16): [INVITED]
"Magnetic microscopy with atomic resolution".
- 07.09.06: Warsaw, Poland (E-MRS 2006 Fall Meeting): [INVITED]
"Current status and future perspectives of spin-polarized STM in spintronics".
- 08.09.06: Grenoble, France (TNT 2006): [INVITED]
"New horizons in nanomagnetism by atomic-scale magnetic SPM probing".
- 12.09.06: Oxfordshire, U.K. (Nanoscience Symposium at Diamond Light Source): [INVITED]
"Mapping spin structures on the atomic scale: from antiferromagnetic metals and insulators to novel nanomagnetic states".

- 25.09.06: Schloß Rauischholzhausen, Germany (WE-Heraeus Summer School on Nanomagnetism): [INVITED]
"Nanomagnetism: Characterization by Spin-Polarized Scanning Tunneling Spectroscopy".
- 25.09.06: Schloß Rauischholzhausen, Germany (WE-Heraeus Summer School on Nanomagnetism): [INVITED]
"Nanomagnetism: Characterization by Magnetic Force Microscopy".
- 27.09.06: Dallas, US (nanoTX'06 Meeting): [INVITED]
"New trends in ultra-high density magnetic data storage".
- 30.09.06: Hamburg, Germany (Internat. Workshop on "Surface Spin Correlations"): [INVITED]
"Real-space studies of surface spin structures at the atomic level by spin-polarized scanning tunneling spectroscopy and magnetic exchange force microscopy".
- 12.10.06: Tomar, Portugal (European Conference on Molecular Magnetism): [INVITED]
"Spin-polarized scanning tunneling spectroscopy: principles, applications, and perspectives in molecular magnetism".
- 26.10.06: Stuttgart, Germany (24th CADFEM Users' Meeting 2006): [INVITED]
"Simulation in nanoscience and nanotechnology: from multiscale modelling to predictive material design".
- 06.11.06: Berlin, Germany (nanoDE 2006): [INVITED]
"Regionale Vernetzung als Strategietrend in der Nanotechnologie".
- 24.01.07: Tokyo, Japan (nanoPHYS '07): [INVITED]
"New horizons in nanomagnetism by atomic-scale magnetic SPM probing".
- 06.02.07: Hamburg, Germany (Rotary Club Schenefeld):
"Nanotechnologie - ein Blick in eine neue Welt".
- 14.02.07: Donnersbach, Austria (22nd Workshop on Novel Materials and Superconductivity): [INVITED]
"Spin-resolved scanning probe microscopy with atomic resolution: principles and applications to novel materials".
- 21.02.07: Trieste, Italy (ICTP Seminar):
"Mapping spin structures on the atomic scale".
- 15.05.07: MPI für Mikrostrukturphysik, Halle, Germany (Seminar):
"Spin mapping on the atomic scale".

- 05.06.07: Leuven, Belgium (Leuven Nano-Conference 2007): [INVITED]
"Mapping spin structures on the atomic scale".
- 02.07.07: Singapore (ICMAT 2007): [INVITED]
"Mapping spin structures on the atomic scale".
- 04.07.07: Stockholm, Sweden (ICN + T 2007 and IVC-17): [INVITED]
"Mapping spin structures on the atomic scale".
- 05.07.07: Schloß Ringberg, Germany (Laserion 2007): [INVITED]
"Novel nanomagnetic states of matter revealed by
magnetic tunneling and exchange force measurements".
- 14.09.07: Polanica Zdrój, Poland (3rd Int. Workshop "Nanostructures [INVITED]
on Surfaces"):
"Spin mapping on the atomic scale".
- 20.09.07: Hamburg, Germany (Int. Summer School "Physics of
Functional Micro- and Nanostructures"):
"Scanning Tunneling Microscopy and Spectroscopy".
- 21.09.07: Hamburg, Germany (Int. Summer School "Physics of
Functional Micro- and Nanostructures"):
"Scanning Force Microscopy and Spectroscopy".
- 24.09.07: Hamburg, Germany (Int. Summer School "Physics of
Functional Micro- and Nanostructures"):
"Recent research highlights based on scanning probe
methods".
- 27.09.07: Paris, France [INVITED]
(Journées Nanosciences & Nanotechnologies):
"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".
- 13.11.07: Tokyo, Japan (ACSIN-9): [PLENARY]
"Spin mapping on the atomic scale".
- 19.11.07: Kavli Nanoscience Institute, Caltech, USA (Seminar):
"Spin mapping on the atomic scale".
- 20.11.07: Kavli Nanoscience Institute, Caltech, USA (Seminar):
"Contributions of low-temperature scanning probe
spectroscopy to modern condensed matter research".

- 23.01.08: MPI Physik komplexer Systeme, Dresden, Germany
(Seminar):
"Dynamical processes in magnetic nanostructures studied
by time- and spin-resolved scanning tunneling spectroscopy".
- 05.02.08: Morelos, Mexico (Int. Conf. on Computational Materials
Science): [INVITED]
"Spin mapping and spin manipulation on the atomic scale".
- 18.02.08: Kurchatov Institute, Moscow, Russia (Russian-German
Workshop): [INVITED]
"Nanoscience studies based on scanning probe microscopy".
- 22.02.08: University of New South Wales, Sydney, Australia (Seminar):
"Spin mapping on the atomic scale".
- 26.02.08: Melbourne, Australia (Int. Conf. on Nanoscience and
Nanotechnology 2008): [INVITED]
"New horizons in nanoscale magnetism: Fundamentals
and applications".
- 05.03.08: Erlangen, Germany (16. Jahrestagung der Deutschen
Gesellschaft für Kristallographie DGK 2008): [PLENARY]
"Atom-resolved spin mapping at surfaces of single
crystals and thin films".
- 10.03.08: New Orleans, USA (APS March Meeting 2008): [PLENARY]
"Scanning Probe Microscopy for spin mapping and spin
manipulation on the atomic scale".
- 12.04.08: Hamburg, Germany (Öffentlicher Bürgerdialog):
"Nanotechnologie in der Region Hamburg".
- 23.04.08: Gimo Herrgård, Sweden (1st Nordic Workshop on
Spintronics and Nanomagnetism): [INVITED]
"Oscillatory magnetic exchange coupling at the atomic
level: a direct real space study by a sub-Kelvin spin-
polarized STM".
- 28.04.08: University of Jena, Germany (Colloquium):
"Neue Horizonte in der Festkörperforschung durch lokale
Sondenmethoden".
- 02.05.08: Athens, Ohio University, USA (Colloquium):
"New horizons in condensed matter physics by local probe
techniques".
- 06.05.08: Madrid, Spain (Intermag '08): [INVITED]
"Mapping atomic-scale spin structures on insulators by
magnetic exchange force microscopy".

- 16.06.08: RWTH Aachen, Germany (Colloquium):
"New horizons in condensed matter physics by local probe techniques".
- 30.06.08: Augustów, Poland (Workshop on "High temporal and spatial resolution studies of magnetic nanostructures):
"Spin mapping and spin manipulation on the atomic scale". [INVITED]
- 17.07.08: Athens, Ohio, USA (NSS-5 / SPSTM-2):
"Oscillatory magnetic exchange coupling at the atomic level: a direct real-space study by a sub-Kelvin spin-polarized STM". [PLENARY]
- 23.07.08: Keystone, Colorado, USA (ICN+T 2008):
"Spin spiral states in low-dimensional magnets studied by low-temperature spin-polarized scanning tunneling spectroscopy".
- 04.09.08: Aachen, Germany (14th European Microscopy Congress):
"Spin mapping on the atomic scale". [INVITED]
- 12.09.08: University of Basel, Switzerland (Colloquium):
"New horizons in condensed matter physics by scanning probe techniques".
- 15.09.08: Hamburg, Germany (2nd Int. Summer School "Physics of Functional Micro- and Nanostructures"):
"Scanning Tunneling Microscopy and Spectroscopy".
- 16.09.08: Hamburg, Germany (2nd Int. Summer School "Physics of Functional Micro- and Nanostructures"):
"Scanning Force Microscopy and Spectroscopy".
- 25.09.08: Leoben, Austria (ÖPG-Jahrestagung):
"Spin mapping and spin manipulation on the atomic scale". [PLENARY]
- 27.10.08: TU Wien, Austria (Colloquium):
"New horizons in condensed matter physics by scanning probe techniques".
- 04.11.08: MPI für Festkörperforschung, Stuttgart, Germany (Colloquium):
"New horizons in condensed matter physics by scanning probe techniques".
- 26.11.08: Hamburg, Germany (Hanseatische Universitätsgespräche):
"Nanotechnologie: Kleine Teile mit großer Wirkung".
- 03.12.08: Moscow, Russia (Rusnanotech '08):
"Perspectives of Nano-Spintronics". [INVITED]

- 17.02.09: Berlin, Germany (1st Russian-German Workshop on the Development and Use of Accelerator-Driven Photon Sources): [INVITED]
"Infrastructure for Nanoscience".
- 19.02.09: DESY, Hamburg, Germany (VIII. Research Course on New X-ray Sciences): [INVITED]
"Static and dynamic investigations of nanoscale magnets at the ultimate spatial resolution limit".
- 25.02.09: Tsukuba, Japan (2nd MANA International Symposium): [INVITED]
"Perspectives of Nano-Spintronics".
- 06.03.09: EMPA, Zürich, Switzerland (Symposium "Headways in Material Science"): [INVITED]
"New horizons in nanomagnetism by spin-sensitive scanning probe methods".
- 27.03.09: Dresden, Germany (DPG'09): [PLENARY]
"Spin mapping and spin manipulation on the atomic scale".
- 01.04.09: Ulm, Germany (nanoDE'09):
"Perspektiven der Nano-Spintronik".
- 20.04.09: Poznan, Poland (Seminar):
"New horizons in condensed matter physics by scanning probe techniques".
- 21.04.09: Poznan, Poland (Public Lecture to "The Academic City – Poznan"): [INVITED]
"Nanotechnology – gateway to a better world?"
- 22.04.09: Poznan, Poland (Colloquium):
"Perspectives of Nano-Spintronics".
- 13.06.09: Hamburg, Germany (Open Uni):
"Magnetismus im Nanokosmos".
- 20.08.09: Kiel, Germany (3rd International Workshop on "Smart Materials and Structures"): [PLENARY]
"Artificially structured nanomagnets: Perspectives of nano-spintronics".
- 15.09.09: Miraflores de la Sierra, Madrid, Spain (16th International Summer School "Spin Transport and Dynamics in Nanostructures"): [INVITED]
"Magnetic exchange force microscopy: A novel approach towards atomic-scale magnetism of insulators".
- 16.09.09: Miraflores de la Sierra, Madrid, Spain (16th International Summer School "Spin Transport and Dynamics in Nanostructures"): [INVITED]
"Atomic and molecular spintronics based on spin-polarized STM".

- 20.09.09: Ascona, Switzerland (International Conference "Nanostructures at Surfaces"): [INVITED]
"Artificially structured nanomagnets: Perspectives of nano-spintronics".
- 07.11.09: Chiavari, Italy (CNR School on "Spin Physics in Materials"): [INVITED]
"Spin Physics of Metallic Nanostructures revealed by Spin-Polarized Scanning Tunneling Microscopy".
- 08.11.09: Chiavari, Italy (CNR School on "Spin Physics in Materials"): [INVITED]
"Spin Physics of Insulators revealed by Magnetic Exchange Force Microscopy".
- 13.11.09: University of Göttingen, Germany (SFB602-Seminar):
"Spin mapping and spin manipulation on the atomic scale".
- 23.11.09: DESY, Hamburg, Germany (Science Corridor Symposium):
"Nanoscience research facilities at the University of Hamburg".
- 30.11.09: Boston, USA (MRS'09 Fall Meeting): [INVITED]
"Perspectives of Magnetic Exchange Force Microscopy".
- 02.12.09: MIT, Cambridge, USA (Seminar):
"Spin mapping and magnetometry at the atomic level".
- 14.01.10: Magnus-Haus, Berlin, Germany (Colloquium):
"Faszinierende magnetische Phänomene im Nanokosmos".
- 18.01.10: Bad Honnef, Germany (JST-DFG Workshop on Nanoelectronics):
"Spin-resolved electron transport through magnetic nanostructures studied by a low-temperature multiprobe-STM".
- 22.02.10: Mauterndorf, Austria (16th Winter-School on New Developments in Solid State Physics): [INVITED]
"Spin mapping and magnetometry down to the atomic level".
- 25.03.10: Regensburg, Germany (DPG'10): [INVITED]
"Spin-dependent tunneling through a single molecule with intramolecular resolution".
- 27.04.10: Antalya, Turkey (2nd Internat. Conf. on Superconductivity and Magnetism): [INVITED]
"Spin mapping and magnetometry on the atomic scale".
- 05.05.10: TU Chemnitz, Germany (Colloquium):
"Faszinierende magnetische Phänomene im Nanokosmos".
- 07.05.10: Gimo Herrgård, Sweden (2nd Nordic Workshop on Spintronics and Nanomagnetism): [INVITED]
"Spin mapping, spin manipulation, and magnetometry at the atomic level".

- 10.05.10: University of Marburg, Germany (Colloquium):
"Spinabbildung, Spinmanipulation und Magnetometrie auf atomarer Skala".
- 20.05.10: University of Hamburg, Germany (Bioinformatics Seminar):
"Molecules on surfaces: A challenging hybrid system".
- 27.05.10: Lecce, Italy (Internat. Conf. on Trends in Spintronics and Nanomagnetism):
[INVITED]
"Spin mapping, spin manipulation, and magnetometry on the atomic scale".
- 10.06.10: Montecatini Terme, Italy (12th Internat. Ceramics Congress): [INVITED]
"SPM-based nanofabrication and analysis of atomic-scale magnetic systems".
- 11.06.10: Hamburg, Germany (Nanodays of the University):
"Magnetismus im Nanokosmos".
- 29.06.10: Poznan, Poland (4th Polish Conference on Nanotechnology NANO 2010):
[PLENARY]
"Exploring the spin in the nanoworld".
- 30.06.10: University of Duisburg, Germany (Colloquium):
"Spinabhängiges Tunneln durch Einzelatome und Moleküle".
- 08.07.10: Florence, Italy (World Wide Magnetic Resonance Conference 2010):
[INVITED]
"Atomic-resolution spin mapping and magnetometry at the atomic level".
- 09.07.10: Schloss Ringberg, Tegernsee, Germany (Laserion 2010): [INVITED]
"Probing magnetic exchange forces on the atomic scale".
- 19.08.10: Seoul, South-Korea (SPSTM-3): [INVITED]
"Spin-Polarized Scanning Tunneling Microscopy and Spectroscopy at the Atomic Scale".
- 27.08.10: Beijing, China (IVC-18 and ICN+T 2010): [PLENARY]
"Spin Mapping, Spin Manipulation, and Magnetometry at the Atomic Level".
- 31.08.10: Warsaw, Poland (EPS-CMD23): [INVITED]
"Spin Mapping, Spin Manipulation, and Magnetometry at the Atomic Level".
- 13.09.10: Warsaw, Poland (E-MRS 2010 Fall Meeting): [INVITED]
"Multidimensional Characterization at the Nanometer Scale by Scanning Probe Methods".
- 14.09.10: Rome, Italy (10th Int. Conference on Nanostructured Materials NANO 2010):
[INVITED]
"Spin Mapping, Spin Manipulation, and Magnetometry at the Atomic Level".

- 16.09.10: Hamburg, Germany (4th Int. Summer School "Physics of Functional Micro- and Nanostructures"):
"Scanning Force Microscopy and Spectroscopy".
- 30.09.10: Gebze, Turkey (Internat. Conf. on Nanoscale Magnetism, ICNM 2010):
[INVITED]
"Spin Mapping, Spin Manipulation, and Magnetometry at the Atomic Level".
- 10.10.10: Beijing, China (12th International Conference on Molecule-Based Magnets ICMM 2010):
[PLENARY]
"Spin-Dependent Tunneling through a Single Molecule with Intramolecular Resolution".
- 15.10.10: Oak Ridge National Laboratory, Oak Ridge, USA (Discovery Lecture):
"Atomic Spin Logic Devices".
- 18.10.10: Los Alamos National Laboratory, Los Alamos, USA (Seminar):
"Atomic Spin Logic Devices".
- 20.10.10: Albuquerque, USA (57th AVS Symposium):
[INVITED]
"Atomic-Resolution Spin Mapping by Exploiting Magnetic Exchange Forces".
- 11.11.10: University of Göttingen, Germany (Workshop on "Understanding Materials Using In-Situ Microscopy"):
[INVITED]
"In-situ Scanning Probe Microscopy, Spectroscopy, and Manipulation with Atomic Resolution and Sensitivity at Variable Temperatures and Magnetic Fields".
- 16.11.10: TU Ilmenau, Germany (Colloquium):
"Von der Nanophysik zu atomaren Bauelementen".
- 24.11.10: University of Applied Sciences, Hamburg, Germany (Colloquium):
"Von der Nanophysik zu atomaren Bauelementen".
- 25.01.11: Bielefeld, Germany (International Symposium on Deposition and Characterization of Nanomagnets on Surfaces):
[INVITED]
"Imaging and Manipulating Single and Interacting Spins on Surfaces: Towards Atomic-Scale Spin Devices".
- 10.02.11: Wellington, New Zealand (5th International Conference on Advanced Materials and Nanotechnology, AMN-5):
[INVITED]
"Probing Spins Atom-by-Atom: 20 Years of Spin-Polarized Scanning Tunneling Microscopy".
- 11.02.11: Wellington, New Zealand (5th International Conference on Advanced Materials and Nanotechnology, AMN-5):
[INVITED]
"Atomic Spin Logic Devices".

- 28.02.11: KIT Karlsruhe, Germany (2nd International Workshop on Advanced Atomic Force Microscopy Techniques): [INVITED]
"Probing Magnetic Exchange Interactions and Forces on the Atomic Scale".
- 22.03.11: Dallas, USA (APS March Meeting 2011): [INVITED]
"Imaging and Manipulating Single and Interacting Spins on Surfaces: Towards Atomic-Scale Spin Devices".
- 13.04.11: Zakopane, Poland (Internat. Workshop on Atomic and Molecular Level Devising of Functional Nanostructures for Magnetic and Catalytic Applications): [INVITED]
"Atomic Spin Logic Devices".
- 23.05.11: Santa Fé, USA (Internat. Conf. on Novel Phenomena in Frustrated Systems): [INVITED]
"Spin Spiral States in Low-dimensional Magnets Studied by Low-Temperature Spin-Polarized Scanning Tunneling Spectroscopy".
- 27.05.11: St. Petersburg, Russia (Internat. Workshop on Spin Chirality and Dzyaloshinskii-Moriya Interaction): [INVITED]
"Spin Spiral States in Low-dimensional Magnets Studied by Low-Temperature Spin-Polarized Scanning Tunneling Spectroscopy".
- 31.05.11: Uppsala, Sweden (Internat. Workshop on Functional Metalorganics): [INVITED]
"Spin-Resolved Scanning Tunneling Microscopy Study of Metalorganic Molecule-Surface Interaction with Intramolecular Resolution".
- 20.06.11: Munich, Germany (Internat. Scanning Probe Microscopy Confer. ISPM 2011): [INVITED]
"Computing with Atoms: Towards Atomic Spin Logic Devices".
- 27.06.11: Kiel, Germany (Internat. Workshop on Magnetoelectric Composites and Future Biomagnetic Interfaces): [INVITED]
"Imaging and Manipulating Single and Interacting Spins on Surfaces: Towards Atomic-Scale Spin Devices".
- 04.07.11: Gdansk, Poland (5th Polish Conference on Nanotechnology NANO 2011): [PLENARY]
"Spin-based Logic Operations at the Atomic Level".
- 23.08.11: Strömsberg, Sweden (Nordic Conference on Correlated Electron Systems): [INVITED]
"Correlation Effects in Single-Atom Spectroscopy by STM and SPSTM".
- 01.09.11: Breslau, Poland (ECOSS-28): [INVITED]
"Computing with Atoms on Surfaces: Towards Atomic Spin Logic Devices".

- 14.10.11: Burgstädt, Germany (3rd TMS Workshop on Spectroscopic Characterization):
[INVITED]
"Spin-Resolved Scanning Tunneling Microscopy Study of Metalorganic Molecule-Surface Interaction with Intramolecular Resolution".
- 27.10.11: Ljubljana, Slovenia (SLONANO 2011): [INVITED]
"Computing with Atoms on Surfaces: Towards Atomic Spin Logic Devices".
- 03.11.11: University of Groningen, The Netherlands (Zernike-Colloquium):
"Exploring the Spin in the Nanoworld".
- 15.02.12: Mauterndorf, Austria (17th Winter-School on New Developments in Solid State Physics): [INVITED]
"Towards Atom-by-Atom Engineering of Tailored Nanomagnets and Atomic Spin Logic Devices".
- 01.03.12: University of Modena, Italy (CNR NANO Seminar):
"Imaging and Manipulating Single and Interacting Spins on Surfaces: Towards Atomic-Scale Spintronic Devices".
- 03.04.12: Freiburg i. Brsg., Germany (103. MNU Bundeskongress): [INVITED]
"Von der Nanophysik zu atomaren Bauelementen".
- 23.04.12: Varberg, Sweden (3rd Nordic Workshop on Spintronics and Nanomagnetism):
[INVITED KEYNOTE LECTURE]
"Atom-by-Atom Engineering of Tailored Nanomagnets and Atomic-Scale Spintronic Devices".
- 04.05.12: Istanbul, Turkey (3rd Internat. Conf. on Superconductivity and Magnetism):
[PLENARY]
"From Single-Atom Magnetometry to Tailor-Made Magnets and Atomic-Scale Spintronic Devices".
- 29.05.12: Burg Warberg, Germany (Summer School of Metrology 2012): [INVITED]
"Single-Atom Magnetometry".
- 25.06.12: S. Margherita di Pula, Sardinia, Italy (4th Internat. Conf. on Nano-Structures Self-Assembly): [PLENARY]
"From Model-Type Nanomagnets to Atomic Spin Logic Devices".
- 11.07.12: Busan, S.-Korea (19th Internat. Conf. on Magnetism, ICM 2012): [PLENARY]
"From Single-Atom Magnetometry to Tailored Nanomagnets and Atomic-Scale Spintronic Devices".
- 15.07.12: Harbin, China (Public Lecture): [INVITED]
"Exploring Magnetism in the Nanoworld".

- 23.07.12: Paris, France (Internat. Conf. on Nanoscience and Technology, ICN+T 2012):
[PLENARY]
"Atom-by-Atom Engineering of Tailored Nanomagnets and Atomic-Scale Spintronic Devices".
- 27.08.12: Rhodes, Greece (11th Int. Conf. on Nanostructured Materials, NANO 2012):
[INVITED]
"Atom-by-Atom Engineering of Tailored Nanomagnets".
- 05.09.12: Edinburgh, U.K. (CMD-24 and ECOSS-29): [INVITED]
"Imaging and Manipulating Single and Interacting Spins on Surfaces: Towards Atomic-Scale Spintronic Devices".
- 01.11.12: Tampa, USA (59th AVS Symposium):
"Spin Friction Observed on the Atomic Scale".
- 16.11.12: University of Bonn, Germany (Colloquium):
"Atomically Tailored Nanomagnets and their Use for Atomic-Level Spintronics".
- 07.12.12: Grenoble, France (6th Internat. Meeting on Molecular Electronics ElecMol'12):
[INVITED]
"Real-space observation of spin-split molecular orbitals of adsorbed single-molecule magnets".
- 13.12.12: LCN London, U.K. (UCL Graduate School & DAAD Masterclass Colloquium):
"Nanotechnology: Past, Present, and Future".
- 16.01.13: Chicago, USA (12th Joint MMM - Intermag Conference): [PLENARY]
"Atomically Tailored Nanomagnets and their Use for Atomic-Level Spintronics".
- 21.01.13: Waikoloa, Hawaii, USA (40th Conference on the Physics and Chemistry of Surfaces and Interfaces, PCSI-40): [INVITED]
"Recent Developments in Interface-Driven Magnetism".
- 22.03.13: University of Åarhus, Denmark (Distinguished iNANO Lecture):
"Exploring Magnetism in the Nanoworld".
- 04.04.13: San Francisco, USA (MRS Spring Meeting): [INVITED]
"Atomic-Scale Studies of Magnetic Oxides by Spin-Polarized STM and Magnetic Exchange Force Microscopy".
- 10.04.13: Buenos Aires, Argentina (10th Latin American Workshop on Magnetism, Magnetic Materials and their Applications, X-LAW3M): [PLENARY]
"Atomically Tailored Nanomagnets and their Use for Atomic-Level Spintronics".
- 23.04.13: Bilbao, Spain (NanoSpain 2013): [INVITED]
"Exploring Magnetism in the Nanoworld".

- 27.06.13: Wisla, Poland (42nd "Jaszowiec" Internat. School and Conference on the Physics of Semiconductors): [INVITED]
"Revealing Magnetic Properties and Interactions on the Atomic Scale".
- 05.07.13: Schloss Ringberg, Tegernsee, Germany (Laserion 2013): [INVITED]
"Spin-Resolved Studies of Individual Molecules on Surfaces".
- 17.07.13: Shonan Village Center, Hayama, Japan (Hayashi Conference):
[INVITED KEYNOTE LECTURE]
"The Role of Surfaces and Interfaces for Nano-Scale Magnetism and Spintronics".
- 27.08.13: Rhodes, Greece (JEMS 2013): [INVITED]
"Towards Computation with Single Skyrmions and Single Spins".
- 02.09.13: Istanbul, Turkey (Internat. Conf. on Nanoscale Magnetism, ICNM 2013):
[PLENARY]
"Atomically Tailored Nanomagnets and their Use for Atomic-Level Spintronics".
- 05.09.13: London, U.K. (ECME 2013): [INVITED]
"Spintronics at the Single-Molecule Level".
- 09.09.13: Poznan, Poland (42nd Polish Physical Society Meeting): [PLENARY]
"Atomically Tailored Nanomagnets and their Use for Atomic-Level Spintronics".
- 08.11.13: Trieste, Italy (Int. Conf. on Friction and Energy Dissipation in Man-made and Biological Systems): [INVITED]
"Atomic-Scale Spin Friction".
- 18.11.13: MPI für Physik komplexer Systeme, Dresden, Germany (Colloquium):
"Complex Spin States in Nanostructures".
- 25.11.13: Halle, Germany (Leopoldina-INSA Symposium on Nanoscience):
[INVITED]
"Nano-Scale Spintronic Devices for Logic and Memory Applications".
- 05.12.13: University of Hannover, Germany (GDCh-Weihnachts-Kolloquium):
"Spin-resolved studies of individual molecules on surfaces:
Towards single-molecule spintronics".
- 12.12.13: Paris, France (NANO SACLAY Nanoelectronics Workshop 2013):
[INVITED]
"Spintronics at the Single-Molecule Level".

- 14.03.14: Kirchberg i.T., Austria (28th Int. Winterschool on Electronic Properties of Novel Materials: Molecular Nanostructures): "Spintronics at the single-molecule level". [INVITED]
- 09.04.14: Paris, France (SKYMAG Workshop 2014): "Interface-driven skyrmions: Observation and local manipulation by spin-polarized tunneling techniques". [INVITED]
- 13.05.14: Santa Fé, USA (34th CNLS Annual Conference on Mesoscale Science Frontiers): "Interface-driven skyrmions: Observation and local manipulation by spin-polarized tunneling techniques". [INVITED]
- 16.05.14: Johns Hopkins University, Baltimore, USA (Colloquium): "Exploring Magnetism in the Nanoworld".
- 30.06.14: Moscow, Russia (Moscow International Symposium on Magnetism, MISM-2014): "Interface-driven magnetism: from chiral domain walls to spin spirals and magnetic skyrmions". [PLENARY]
- 07.07.14: Marseille, France (5th Internat. Conf. on Nanostructures Self-Assembly, NanoSEA 2014): "Spin-resolved studies of individual magnetic nanostructures formed by self-assembly". [PLENARY]
- 09.07.14: Grenoble, France (Internat. Conf. on Strongly Correlated Electron Systems, SCES'14): "Interface-driven skyrmions: Observation and local manipulation by spin-polarized tunneling techniques". [INVITED]
- 18.07.14: Huron, Ohio, USA (SPSTM-5): "Revealing Atomic-Scale Magnetic Interactions by Spin-Polarized STM". [INVITED]
- 24.07.14: Vail, Colorado, USA (Internat. Conf. on Nanoscience and Technology, ICN+T 2014): "25 Years of Spin-Polarized STM: From Single-Atom Magnetism to Complex Spin Textures in Nanostructures". [PLENARY]
- 28.07.14: Chicago, USA (Internat. Conference on Nanoscale Spectroscopy, NSS-8): "Complex Spin States Revealed and Locally Manipulated by 3D-Vector Resolved Spin-Polarized Tunneling Techniques". [PLENARY]
- 13.08.14: Buenos Aires, Argentina (Internat. Conference on Low Temperature Physics, LT27): "Towards Computation with Single Skyrmions and Single Spins". [PLENARY]

- 01.09.14: Amsterdam, The Netherlands (Julius Springer Forum on Applied Physics):
[INVITED]
"Atom-by-Atom Engineering of Tailored Nanomagnets and Atomic-Scale Spintronic Devices".
- 11.09.14: Nancy, France (M-SNOWS'14 Conference): [INVITED]
"Towards Computation with Single Skyrmions and Single Spins".
- 17.09.14: University of Hamburg, Germany (SFB668 Summer School on "Magnetism on a Molecular Scale: Experiment and Theory"):
"Spintronics at the single-molecule level".
- 28.10.14: Ascona, Switzerland (SpinMol Conference): [INVITED]
"Spintronics at the single-molecule level".
- 06.11.14: Matsue, Japan (7th Internat. Symposium on Surface Science, ISSS-7):
[PLENARY]
"25 Years of Spin-Polarized STM: Novel Insight into Atomic-Scale Magnetism".
- 11.11.14: University of Hamburg, Germany (Veranstaltung der Universitätsgesellschaft Hamburg):
"Informations- und Kommunikationstechnik als Basis unserer Wissensgesellschaft: Was bringt die Zukunft?".
- 14.11.14: Hamburg, Germany (Veranstaltung der Akademie der Wissenschaften in Hamburg):
"Informations- und Kommunikationstechnik als Basis unserer Wissensgesellschaft: Was bringt die Zukunft?".
- 14.04.15: University of Cologne, Germany (Colloquium):
"Ultradichte magnetische Datenspeicher und energieeffiziente Spin-Logik-Bauelemente auf atomarer Skala: Neueste Beiträge aus der Grundlagenforschung".
- 11.05.15: Lille, France (E-MRS 2015 Spring Meeting): [INVITED]
"Tailoring of nano-scale skyrmions by interface and strain engineering".
- 26.05.15: Wako, Saitama, Japan (Workshop on Topological Magnets): [INVITED]
"Nano-scale skyrmions in ultrathin transition metal films: From fundamentals to applications".
- 09.06.15: ISSP, University of Tokyo, Kashiwa, Japan (International Workshop on New Perspectives in Spintronic and Mesoscopic Physics): [INVITED]
"Exploring spins at surfaces by spin-polarized STM".
- 11.06.15: Kashiwa, Japan (International Symposium on New Perspectives in Spintronic and Mesoscopic Physics): [INVITED]
"Complex spin states by interfacial Dzyaloshinskii-Moriya interactions: from single atoms to thin films".

- 23.06.15: Poznan University of Technology, Poznan, Poland (Acceptance Speech Docor Honoris Causa):
"Nanoscience and Nanotechnology".
- 25.06.15: Poznan, Poland (7th Polish Conference on Nanotechnology NANO 2015): [PLENARY]
"From chiral spin textures towards novel nano-devices based on magnetic skyrmions".
- 02.07.15: Schloss Hernstein, Austria (Summer School "Solids4Fun"): [INVITED]
"Exploring Magnetism in the Nanoworld".
- 12.07.15: Miraflores de la Sierra, Madrid, Spain (International Summer School "New Directions in Spintronics and Nanomagnetism"): [INVITED]
"Interface-driven magnetism: from chiral domain walls to spin spirals and magnetic skyrmions".
- 14.07.15: MPI für Physik komplexer Systeme, Dresden, Germany (Internat. Workshop on "Quantum Design"): [INVITED]
"Nano-scale design of correlated and novel topological states and their characterization by (SP-)STM techniques".
- 29.07.15: Hong Kong, China (Gordon Research Conference "Spin Dynamics in Nanostructures"): [INVITED]
"Towards skyrmion-based devices".
- 18.08.15: Schloss Waldthausen, Mainz, Germany (SPICE Workshop on "Magnetic Adatoms as Building Blocks for Quantum Magnetism"): [INVITED]
"Revealing properties and interactions of individual magnetic adatoms and molecules by SP-STM".
- 08.09.15: Budapest, Hungary (2nd Grandmaster PhD Workshop in Physics 2015): [INVITED]
"Nano-scale skyrmions in ultrathin transition metal films and multilayers: From fundamentals to potential applications".
- 07.11.15: Hamburg, Germany (6. Nacht des Wissens):
"Informations- und Kommunikationstechnik als Basis unserer Wissensgesellschaft: Was bringt die Zukunft?".
- 17.11.15: Rome, Italy (International Conference on "Seeing Molecules"): [INVITED]
"From spin-resolved studies of individual molecules on surfaces towards molecular spintronics".
- 30.11.15: Hamburg, Germany (Rotary Club HH-Deichtor):
"Neue bedeutsame Entwicklungen für die Informations- und Kommunikationstechnik der Zukunft".

- 14.12.15: Dresden, Germany (Distinguished Lecture Series des Center for Advancing Electronics Dresden, cfaed): [INVITED]
"Nanoscale Magnetic Knots – A New Twist For Spintronics".
- 08.02.16: Obertraun, Austria (31st Workshop on Novel Materials and Superconductivity): [INVITED]
"Chiral spin textures in ultrathin films: From fundamentals to potential applications".
- 14.04.16: University of Bremen, Germany (Colloquium):
"Magnetische Knoten auf der Nanometerskala: von der Grundlagenforschung zu neuen Datenspeicherkonzepten".
- 28.04.16: Hamburg, Germany (Akademievorlesungsreihe "Nanotechnologie in Hamburg"): [INVITED]
"Nanowissenschaft und Nanotechnologie: Von neuen Erkenntnissen zu innovativen Anwendungen".
- 02.05.16: Cargèse, Corsica, France (DIADEMS Summer School): [INVITED]
"Single-atom magnetometry by spin-polarized STM".
- 06.05.16: Hamburg, Germany (Rotary Club HH-Altona):
"Neue bedeutsame Entwicklungen für die Informations- und Kommunikationstechnik der Zukunft".
- 27.05.16: Hamburg, Germany (Julius Springer Forum on Applied Physics): [INVITED]
"Nanoscale Magnetic Knots – A New Twist For Spintronics".
- 02.06.16: Courbevoie, France (NANOTECH FRANCE 2016): [PLENARY]
"Nanoscale Magnetic Knots – A New Twist For Spintronics".
- 23.06.16: Poznan, Poland (NanoTech Poland 2016 International Conference): [PLENARY]
"Interface driven exotic states of nanomaterials for spintronic and energy applications".
- 27.06.16: San Sebastian, Spain (SOL-SKYMAG 2016 Conference): [INVITED]
"Nanoscale Magnetic Skyrmions – A New Twist For Spintronics".
- 04.07.16: MPI für Physik komplexer Systeme, Dresden, Germany (Internat. Workshop on "Topological Patterns and Dynamics in Magnetic Elements and in Condensed Matter"): [INVITED]
"Nanoscale Skyrmions – A New Twist For Spintronics".
- 06.07.16: Les Diablerets, Switzerland (2016 Swiss Workshop on Materials with Novel Electronic Properties): [INVITED]
"Novel interface-induced electronic and spin states revealed by spin-resolved scanning tunneling spectroscopy".

- 17.08.16: Dresden, Germany (Internat. Workshop on "Topological Structures in Ferroic Materials, TOPO 2016"): [INVITED]
"Nanoscale Skyrmions – A New Twist For Spintronics".
- 23.08.16: Busan, S.-Korea (IVC-20 / ICN+T 2016): [INVITED KEYNOTE LECTURE]
"Nanoscale Magnetic Skyrmions – A New Twist For Spintronics".
- 29.08.16: Chiba, Japan (SPSTM-6): [PLENARY]
"Probing Exotic States of Condensed Matter by Spin-Polarized Scanning Tunneling Microscopy".
- 02.09.16: Chemnitz, Germany (ICSFS-18): [PLENARY]
"Novel Interface-Induced Electronic and Spin States Revealed by Spin-Resolved Scanning Tunneling Spectroscopy".
- 06.09.16: Groningen, The Netherlands (EPS CMD-26): [INVITED]
"Observation and manipulation of individual skyrmions by local spin currents and electric fields".
- 12.09.16: Kloster Irsee, Germany (Internat. Workshop "From Electronic Correlations to Functionality"): [INVITED]
"Observation and manipulation of individual nanoscale skyrmions by local spin currents and electric fields".
- 28.09.16: Regensburg, Germany (Internat. Workshop "Emergent Relativistic Effects in Condensed Matter"): [INVITED]
"Interface-driven exotic spin and electronic states in ultrathin films".
- 29.09.16: Mainz, Germany (Internat. Workshop on Antiferromagnetic Spintronics): [INVITED]
"An SP-STM View of Antiferromagnetics: From the Smallest Building Units to Model-Type Atomic-Scale Spintronic Devices".
- 02.10.16: Kyoto, Japan (13th Annual Meeting of Science and Technology in Society Forum): [INVITED]
"Future Nanomaterials".
- 08.10.16: Hamburg, Germany (Hamburger Tag der Nanotechnologie):
"Informations- und Kommunikationstechnik als Basis unserer Wissensgesellschaft: Was bringt die Zukunft?".
- 30.11.16: Boston, USA (MRS Fall Meeting 2016): [INVITED]
"Observation and manipulation of individual nanoscale skyrmions by local spin currents and electric fields".
- 19.12.16: Trieste, Italy (Internat. Workshop on Technologically relevant Quantum Materials: growth, experiments and theory): [INVITED]
"Interface driven exotic states for spintronic and energy applications".

- 26.01.17: Hamburg, Germany (Hamburger Gesellschaft „Harmonie“ von 1789):
"Informations- und Kommunikationstechnik als Basis unserer
Wissensgesellschaft: Was bringt die Zukunft?".
- 21.02.17: Hamburg, Germany (Übersee-Club Hamburg):
"Nanotechnologie: Das unsichtbar Kleine mit großem Potential".
- 01.06.17: Poznan, Poland (NanoTech Poland 2017 International Conference):
[PLENARY]
"The exciting physics of spin chains coupled to a metallic substrate".
- 14.06.17: Devet Skal, Czech Republic (International Summer School on "Physics at
Nanoscale": [INVITED]
"Magnetism on the Nanoscale: From the smallest building block units to
model-type atomic-scale spintronic devices".
- 15.06.17: Devet Skal, Czech Republic (International Summer School on "Physics at
Nanoscale": [INVITED]
"The exciting physics of spin chains coupled to a metallic substrate".
- 05.07.17: Hamburg, Germany (DAAD Summer School on "Particles, Strings and
Cosmology":
"From Skyrmions to Majoranas: Modern solid state physics inspired by
particle physics theory".
- 19.07.17: Les Diablerets, Switzerland (Gordon Research Conference on Spin
Dynamics in Nanostructures): [INVITED]
"The exciting physics of bottom-up constructed atomic chains with non-
collinear spin textures".
- 08.08.17: Leeds, U.K. (International Workshop on Topological Structures in Ferroic
Materials): [INVITED]
"Magnetic skyrmions in ultrathin films induced by hydrogenation".
- 09.08.17: Kloster Drübeck, Germany (International Summer School on Metrology):
[INVITED]
"The exciting physics of spin chains precisely fabricated by single-atom
manipulation".
- 26.09.17: Mainz, Germany (Internat. Workshop on Exotic New States in
Superconducting Devices: the Age of the Interface): [INVITED]
"Bottom-up construction and atomic-level characterization of spin chains on
superconducting substrates for topological quantum computation".
- 09.10.17 Hamburg, Germany (PIER Graduate Week 2017): [INVITED]
"From Skyrmions to Majoranas: Nanoscience inspired by particle physics
theory".
- 31.10.17: Tampa, USA (64th AVS International Symposium): [INVITED]
"The exciting physics of spin chains coupled to a metallic substrate".

- 10.11.17: Pittsburgh, USA (62nd MMM Conference): [INVITED]
"Electric-field-driven switching of individual magnetic skyrmions".
- 06.12.17: Kauai, Hawaii, USA (ALC'17 International Conference): [INVITED]
"Bottom-up construction and atomic-level characterization of spin chains on superconducting substrates for topological quantum computation".
- 05.03.18: Los Angeles, USA (APS March Meeting): [INVITED]
"Electric-field-driven switching of individual magnetic skyrmions".
- 13.03.18: Berlin, Germany (Joint DPG and EPS-CMD Spring Meeting): [INVITED]
"Towards the design of Majorana bound states in artificially constructed magnetic atom chains on elemental superconductors".
- 10.04.18: MPI Dresden, Germany (International Workshop on "New Platforms for Topological Superconductivity with Magnetic Atoms"): [INVITED]
"Bottom-up construction and atomic-level characterization of spin chains on superconducting substrates for topological quantum computation".
- 25.04.18: Singapore-City, Singapore (INTERMAG 2018): [INVITED]
"Atomic-scale observation and manipulation of individual nanoscale skyrmions by local spin currents and electric fields".
- 18.05.18: University of Hamburg, Germany (Hamburg Photon Science Colloquium): [INVITED]
"Emergence of Majorana states in atomic-scale hybrid systems".
- 22.05.18: Puerto de Santiago, Tenerife, Spain (11th European School on Molecular Nanoscience): [INVITED]
"From spin-resolved studies of individual molecules on surfaces towards molecular spintronics".
- 13.06.18: Hamburg, Germany (Workshop on Non-equilibrium Transport through Nanostructures): [INVITED]
"Creation, annihilation and dynamics of magnetic skyrmions".
- 16.06.18: Szczyrk, Poland (47th International School & Conf. on the Physics of Semiconductors "Jaszowiec 2018"): [INVITED]
"From Skyrmions to Majoranas: the impact of atomic-resolution spin-resolved microscopy and spectroscopy".
- 26.06.18: San Sebastian, Spain (Intern. Conf. on Novel 2D Materials Explored via Scanning Probe Microscopy & Spectroscopy): [INVITED]
"Interfacial superconductivity in 2D layers of Fe-chalcogenides on topological insulators studied by spin-resolved scanning tunneling spectroscopy".
- 19.07.18: San Sebastian, Spain (Intern. Conf. on Quantum Designer Physics): [INVITED]
"Emergent exotic states in 1D and 2D magnet-superconductor hybrid systems designed and constructed with atomic-level control".

- 25.07.18: Brno, Czech Republic (ICN+T 2018): [INVITED KEYNOTE LECTURE]
"Design of Majorana states in 1D and 2D model systems with atomic-level control".
- 29.07.18: Nijmegen, The Netherlands (SPSTM-7 & LTSPM-1): [INVITED]
"Bottom-up construction and atomic-level characterization of spin chains on superconducting substrates for topological quantum computation".
- 14.08.18: Bryant University, Rhode Island, USA (Gordon Conference on Conductivity and Magnetism in Molecular Materials): [INVITED]
"From spin-resolved studies of individual molecules on surfaces towards molecular spintronics".
- 20.08.18: EPFL Lausanne, Switzerland (EuroTech Summer School "New Trends in Chiral Magnetism"): [INVITED]
"Interface-driven chiral magnetism: from domain walls to spin spirals and magnetic skyrmions".
- 03.09.18: Mainz, Germany (9th JEMS Conference 2018): [INVITED]
"Emergent exotic states in 1D and 2D magnet-superconductor hybrid systems with atomic-level control".
- 18.09.18: Warsaw, Poland (E-MRS Fall Meeting 2018): [INVITED]
"Interfacial superconductivity in 2D layers of Fe-chalcogenides on topological insulators studied by spin-resolved scanning tunneling spectroscopy".
- 25.09.18: TU Budapest, Hungary (Colloquium):
"Emerging exotic states in atomic-scale magnet-superconductor hybrid systems".
- 05.11.18: University of Würzburg, Germany (Colloquium):
"Emergence of Majorana states in atomic-scale hybrid systems".
- 08.01.19: Beijing, China (Kavli ITS Workshop on "Majorana Modes in Topological Superconductors"): [INVITED]
"Emergence of Majorana states in engineered atomic-scale hybrid systems".
- 21.01.19: University of Augsburg, Germany (Colloquium):
"Emerging exotic states in atomic-scale magnet-superconductor hybrid systems".
- 19.03.19: La Thuile, Italy (Workshop on "Quantum Mesoscopic Physics"): [INVITED]
"Emergence of Majorana states in engineered atomic-scale hybrid systems".
- 23.04.19: Phoenix, USA (MRS Spring Meeting): [INVITED]
"Emergence of Majorana states in engineered atomic-scale hybrid systems".
- 14.05.19: Prague, Czech Republic (FZU Colloquium):
"Emergence of Majorana states in atomic-scale hybrid systems".

- 03.07.19: San Sebastian, Spain (Internat. Conf. on Quantum Designer Physics):
[INVITED]
"Tailoring the Spin Dynamics of Bottom-Up Constructed Nano-Scale Systems".
- 13.08.19: San Diego, USA (SPIE Nanoscience & Engineering):[INVITED KEYNOTE]
"Emergence of Majorana states in engineered atomic-scale hybrid systems".
- 04.09.19: Poznan, Poland (24th Soft Magnetic Materials Conference): [PLENARY]
"Novel techniques for revealing atomic-scale properties of magnetic materials".
- 20.09.19: Hamburg, Germany (9th Internat. Conf. on Nanoscience with Nanocrystals, NaNaX-9):
[INVITED]
"Magnetic and superconducting vortices in nanocrystals".
- 23.10.19: Columbus, Ohio, USA (66th AVS International Symposium): [INVITED]
"Interfacial and topological superconductivity in 2D layers studied by spin-resolved scanning tunneling spectroscopy".
- 08.11.19: Las Vegas, USA (64th MMM Conference):
"Majorana states in atomic-scale magnet-superconductor hybrid systems".
- 22.11.19: Madrid, Spain (Nicolas Cabrera Lecture):
"From Skyrmions to Majoranas: Nanoscience inspired by particle physics theory".
- 25.11.19: Wien, Austria (Boltzmann Lecture):
"From Skyrmions to Majoranas: Nanoscience inspired by particle physics theory".
- 04.12.19: Kyoto, Japan (Internat. Conf. on Topological Materials Science "TopoMat2019"): [PLENARY]
"Topological superconductivity and Majorana states in 1D and 2D model systems".
- 07.12.19: Santa Barbara, USA (Microsoft Station Q Fall Meeting): [INVITED]
"Bottom-up design and atomic-level characterization of Majorana states".
- 16.01.20: University of Rostock, Germany (Colloquium):
"From Skyrmions to Majoranas: Nanoscience inspired by particle physics theory".
- 21.10.20: Business Club Hamburg, Hamburg, Germany (Akademie im Gespräch):
"Quantencomputing: Von der wissenschaftlichen Vision zur wirtschaftlichen Relevanz".
- 29.11.20: virtual, USA (MRS Spring and Fall Meeting 2020): [INVITED]
"Quantum designer materials and devices by single-atom manipulation".

- 22.01.21: virtual, Akademie der Wissenschaften in Hamburg, Germany:
"Ursprung der Coronavirus-Pandemie".
- 23.02.21: virtual, Norwegian University of Science and Technology, Trondheim, Norway
(Colloquium):
"Emergent Majorana states in atomic-scale magnet-superconductor hybrid systems".
- 19.03.21: virtual, Ohio University, Athens, USA (Colloquium):
"Emergent Majorana states in atomic-scale magnet-superconductor hybrid systems".
- 06.04.21: virtual, Lions Club, Hamburg, Germany:
"Von der nuklearen zur biotechnologischen Bedrohung".
- 12.04.21: virtual, University of Maryland, USA (CMTC Conference on "Searching for Topological Majorana Zero Modes"): [INVITED]
"Emergent Majorana zero modes in disorder-free bottom-up fabricated atomic spin chains proximity-coupled to clean superconducting Re and Nb substrates".
- 22.04.21: virtual, Seattle, USA (MRS Spring Meeting 2021): [INVITED]
"Atomic-scale studies and design of topological spin textures and Majorana states in magnet-superconductor hybrid systems".
- 28.04.21: virtual, Lyon, France (INTERMAG 2021): [PLENARY]
"From spin-resolved atomic-resolution imaging to magnetic materials and devices by design".
- 31.08.21: virtual, University of Warsaw, Poland (7th Symposium of Young Scientists of the Faculty of Physics): [INVITED]
"Emergent Majorana states in atomic-scale magnet-superconductor hybrid systems".
- 25.10.21: virtual, Bodrum, Turkey (7th International Conference on Superconductivity and Magnetism ICSM): [PLENARY]
"Topological superconductivity and Majorana states in atomic-scale magnet-superconductor hybrid systems".
- 10.11.21: ETH Zürich, Switzerland (Colloquium):
"Emergent Majorana states in atomic-scale magnet-superconductor hybrid systems".
- 07.01.22: virtual, Kanazawa, Japan (International Symposium on Frontier of Materials Science): [INVITED]
"Atom-by-atom fabrication of spin chains, topological superconductors and Majorana states".

- 26.01.22: virtual, RIKEN, Wako, Saitama, Japan (CEMS Colloquium):
"Emergent Majorana states in disorder-free bottom-up fabricated atomic spin chains proximity-coupled to clean superconducting substrates".
- 03.02.22: virtual (Russian Colloquium on Modern Problems of Condensed Matter Physics):
"From spin-resolved atomic-resolution imaging to magnetic materials and devices by design".
- 08.03.22: virtual (Hamburg – Osaka Symposium on Quantum Science): [KEYNOTE]
"Emergent Majorana states in atomic-scale magnet-superconductor hybrid systems".
- 16.03.22: virtual, Chicago, USA (APS March Meeting): [INVITED]
"Emergent Majorana states in defect-free bottom-up constructed atomic-scale magnet-superconductor hybrid systems".
- 21.06.22: San Sebastian, Spain (2nd Intern. Conf. on Novel 2D Materials Explored via Scanning Probe Microscopy & Spectroscopy): [INVITED]
"From 0D Shiba atoms to 2D Shiba lattices".
- 06.07.22: Krakau, Poland (Conference on Nanotechnology): [PLENARY]
"Bottom-up design of topological qubits for robust quantum computing".
- 15.07.22 München, Germany (BigTechDay, TNG-Jahrestagung): [INVITED]
"Ursprung der Corona-Pandemie: Implikationen für die Zukunft".
- 23.08.22: Ascona, Switzerland (molQueST 2022 Conference): [INVITED]
"Emergent Majorana states in defect-free bottom-up fabricated atomic spin chains proximity-coupled to clean superconducting substrates".
- 10.09.22: Leipzig, Germany (200th Anniversary of the GDNÄ): [INVITED]
"Bilder aus der Nanowelt als Basis neuer Entdeckungen".
- 15.09.22: virtual, National Yang Ming Chiao Tung University, Hsinchu, Taiwan (NYCU Colloquium):
"From spin-resolved atomic-resolution imaging to magnetic materials and devices by design".
- 20.09.22: Ascheffel, Germany (Workshop on Nanoscale Phenomena at Surfaces): [INVITED]
"Bottom-up design of Majorana states in atomic-scale magnet-superconductor hybrid systems".
- 12.10.22: Reykjavik, Iceland (Northern Lights Conference 2022): [INVITED]
"Bottom-up design of topological superconductors".
- 17.10.22: Bodrum, Turkey (Int. Conf. on Quantum Materials and Technologies, ICQMT 2022): [PLENARY]
"Bottom-up design of topological qubits for robust quantum computing".

- 19.10.22: Bodrum, Turkey (Int. Conf. on Quantum Materials and Technologies, ICQMT 2022):
"Bottom-up design of unconventional superconductors".
- 16.12.22: virtual, Trier, Germany (Workshop: Die Aktualität des Gewissens: Perspektiven der Rechts- und Geisteswissenschaften) [INVITED]
"Gain-of-function Forschung: Wie weit darf die Freiheit in der Wissenschaft gehen?".
- 17.01.23: virtual, Poznan, Poland (Surface Science Discussions 2023): [INVITED]
"Bottom-up design of unconventional superconductors: The role of surface science".
- 01.03.23: Kiel, Germany (Public Lecture):
"Ursprung der Corona-Pandemie: Implikationen für die Zukunft".
- 27.03.23: Berlin, Germany (Deutscher Bundestag):
"Gain-of-function Forschung: Wie weit darf die Freiheit in der Wissenschaft gehen?".
- 06.05.23: Fethiye, Turkey (8th International Conference on Superconductivity and Magnetism ICSM): [PLENARY]
"Bottom-up design of unconventional superconductors in magnet-superconductor hybrid systems".
- 07.05.23: Fethiye, Turkey (8th International Conference on Superconductivity and Magnetism ICSM):
"Advances and challenges in superconductivity research and application".
- 28.06.23: Singapore-City, Singapore (11th Int. Conf. on Materials for Advanced Technologies, ICMAT 2023): [INVITED]
"Magnet-superconductor hybrid systems as ideal platforms for realizing topological superconductivity and associated Majorana zero modes".
- 30.06.23: Singapore-City, Singapore (Workshop on Advanced Scanning Probe Methods): [PLENARY]
"From spin-resolved atomic-resolution imaging to magnetic materials and devices by design".
- 12.07.23: virtual, Nanyang Technological University, Singapore (NTU STEM Graduate Colloquium):
"Tailoring nanoscale systems by a bottom-up design atom-by-atom".
- 12.09.23: Zürich, Switzerland (AOFKA 2023 conference): [INVITED]
"Magnetic-sensitive atomic-scale surface analysis by spin-polarized scanning tunneling microscopy and spectroscopy".
- 01.12.23: virtual, Poznan University of Technology, Poznan, Poland (Doctoral School Lecture):
"Tailoring nanoscale systems by a bottom-up design atom-by-atom".

- 07.03.24: Minneapolis, USA (APS March Meeting): [INVITED]
"Atom-by-atom fabricated magnet-superconductor hybrid systems as ideal platforms for realizing topological superconductivity and associated Majorana zero modes".
- 29.04.24: Fethiye, Turkey (9th Int. Conf. on Superconductivity and Magnetism, ICSM, and 2nd Int. Conf. on Quantum Materials and Technologies, ICQMT):
"Low-dimensional magnet-superconductor hybrid systems".
- 30.04.24: Fethiye, Turkey (9th Int. Conf. on Superconductivity and Magnetism, ICSM, and 2nd Int. Conf. on Quantum Materials and Technologies, ICQMT): [PLENARY]
"Non-trivial topological and strongly correlated electron states in model-type low-dimensional magnet-superconductor hybrid systems".
- 27.06.24: San Sebastian, Spain (3rd Intern. Conf. on Novel 2D Materials Explored via Scanning Probe Microscopy & Spectroscopy): [INVITED]
"Non-trivial topological and strongly correlated electron states in model-type low-dimensional magnet - superconductor hybrid systems".
- 29.10.24: Marseille, France (Journées de la Matière Condensée 2024): [INVITED]
"Atom-by-atom fabrication of topological superconductors with associated Majorana quasiparticles".
- 18.11.24: Matsue, Japan (15th Internatl. Symp. on Atomic Level Characterization for New Materials and Devices ALC'24): [PLENARY]
"Atom-by-atom fabrication of topological superconductors with associated Majorana quasiparticles and their atomic level characterization".
- 16.12.24: Honolulu, Hawaii, USA (Internatl. Conf. on Progress on Realization of Topological States of Matter): [INVITED]
"Atom-by-atom fabrication of topological superconductors with associated Majorana quasiparticles".
- 27.04.25: Fethiye, Turkey (10th Int. Conf. on Superconductivity and Magnetism, ICSM, and 3rd Int. Conf. on Quantum Materials and Technologies, ICQMT): [PLENARY]
"Emergence of complexity from individual magnetic atoms to hybrid magnet-superconductor quantum states".
- 29.04.25: Fethiye, Turkey (10th Int. Conf. on Superconductivity and Magnetism, ICSM, and 3rd Int. Conf. on Quantum Materials and Technologies, ICQMT):
"Some remarks on the International Year of Quantum".
- 14.05.25: virtual, University of Düsseldorf, Germany (Vortragsreihe der Humanmedizin "Wissenschaft trifft Corona"):
"Ursprung des SARS-CoV-2 Virus".
- 14.06.25: Bremen, Germany (Ärztliche Vortragsreihe "Lernen aus der Pandemie"):
"Ursprung der Corona-Pandemie: Implikationen für die Zukunft".

- 18.06.25: Malchow, Germany:
"Ursprung der Corona-Pandemie: Implikationen für Ethik und Moral in
Wissenschaft und Gesellschaft".
- 11.07.25: Hamburg, Germany (Forum der Akademie für Pneumologen):
"Die Rolle der Wissenschaft in der Corona-Pandemie".
- 02.09.25: Steinbach b. Frankfurt, Germany (841. WE-Heraeus-Seminar: Important
Quantum Technologies): [INVITED]
"History of Scanning Tunneling Microscopy".
- 12.09.25: Nanyang Technological University, Singapore (College of Science
Distinguished Speaker Series):
"Nanostructures proximity-coupled to superconductors: A playground for
quantum science and technology".
- 18.09.25: Sydney, Australia (IVC-23 Congress): [KEYNOTE]
"Topological superconductivity and associated Majorana states: Towards
fault-tolerant qubits for topological quantum computation".
- 08.11.25: Berlin, Germany (Deutscher Bundestag):
"Corona-Ursprung: Implikationen für Pandemievorsorge und
Pandemiepolitik".
- 27.11.25: Zakopane, Poland (XIII Workshop on Applications of Scanning Probe
Microscopy – STM/AFM 2025): [INVITED]
"Nanostructures proximity-coupled to superconductors: A playground for
quantum science and technology".
- 06.01.26: Paris, France (Frontiers in Spin Technologies 2026): [INVITED]
"Tailoring spin textures on superconductors for realizing Majorana modes".
- 06.02.26: Lecce, Italy (IX Italian Conference on Magnetism 2026): [PLENARY]
"Tailoring spin textures on superconductors for realizing Majorana modes".