

- 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 Spring 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 Jose, 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 (Habitationsvortrag):
"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 Rasterelementarmethoden".
- 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 Rasterelementarmethoden".
- 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 Rasterelementarmethoden".
- 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 (XXII Int. 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 Rastersondenmethoden".
- 11.05.94: MPI Göttingen, Germany (Seminar):
"Lokale Eigenschaften von Festkörperoberflächen im Licht hochauflösender Rastersondenmethoden".
- 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 (Kolloquium):
"Lokale Eigenschaften von Festkörperflächen im Licht
hochauflösender Rastersondenmethoden".
- 27.10.94: Denver, USA (AVS/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 (AVS'95):
"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 (Kolloquium):
"Von der Mikroelektronik zur Nanoelektronik: Neue faszinierende Einblicke in das mikroskopische Verhalten von Festkörperelektronen".
- 15.12.98: TU Dresden, Germany (Kolloquium):
"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 (Kolloquium):
"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 (AVS'99):
"Low-temperature tunneling spectroscopy of the tip-induced
quantum dot on n-InAs(110)".
- 28.10.99: Seattle, USA (AVS'99): [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 Tunnelleffekte 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 (Kolloquium):
"Neue Einblicke in den Nanokosmos".
- 01.02.01: University of Düsseldorf, Germany (Kolloquium):
"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: 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: 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 Symposium on Nanostructures and Physicochemical Properties of Polyoxometalate Superclusters and Related Colloid Particles): [INVITED]
"Low-Temperature Scanning Probe Spectroscopy of Molecular Systems and Quantum Dots".
- 30.11.04: University of Tokyo, Japan (International Symposium on New Horizons in Condensed-Matter Physics): [INVITED]
"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 Rastersondenspektroskopie".
- 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 nanostructures".
- 21.06.05: Dresden, Germany (25th GIF Meeting: Nanotubes and Nanowires): [INVITED]
"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 2006): [INVITED]
"Nanoscience education: a multi-level approach".
- 02.08.06: Basel, Switzerland (Internat. Conf. on Nanoscience and Technology 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 on Surfaces"): [INVITED]
"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 (NSS5-SPSTM2):
"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: 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: 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 (Winter-School on New Developments in Solid State Physics): [INVITED]
"Spin mapping and magnetometry down to the atomic level".