

Invited Talks
Steinrück Group - Chair of Physical Chemistry II
University Erlangen-Nürnberg

1998

D. Borgmann

Characterization of oxidic catalyst surfaces

Vortrag an der Universidad National de La Plata (INIFTA), La Plata, Argentina, March 1998

D. Borgmann

Co on MoO₃ model catalysts

Vortrag an der Universidad National de La Plata (INIFTA), La Plata, Argentina, April 1998

H.-P. Steinrück

Adsorption und elektronische Struktur einfacher Moleküle auf ultradünnen Metallschichten

Vortrag am Institut für Festkörperphysik der TU Graz, October 1998

H.-P. Steinrück

Wechselwirkung einfacher Moleküle mit ultradünnen Metallschichten

Vortrag am Fritz-Haber-Institut der Max-Planck-Gesellschaft in Berlin, November 1998

H.-P. Steinrück

Ultradünne Metallschichten - neue Materialien mit neuen Eigenschaften

Antrittsvorlesung - GDCH-Kolloquium an der Universität Erlangen-Nürnberg, December 1998

1999

G. Held

Präparation und elektronische Eigenschaften von Metallschichtsystemen

Physikalisch-Chemisches Kolloquium, FAU Erlangen-Nürnberg, Erlangen, 19.01.1999

D. Borgmann

Adsorption and heterogeneous catalysis: Interaction of hydrocarbons with metal surfaces

Vortrag an der Universidad National de la Plata (INIFTA), La Plata, Argentina, 20.03.1999

D. Borgmann

Elektronenspektroskopische Untersuchungen an Eisensiliziden

Vortrag beim Workshop des SFB 292, Burg Rothenfels, 22.-23.04.1999

H.-P. Steinrück

Chemische und elektronische Eigenschaften ultradünner Metallschichten

Eingeladener Vortrag beim Graduiertenkolleg-Workshop "Adsorption und Strukturierung von Grenzflächen" in Großbothen bei Leipzig, April 1999

R. Denecke

Interatomare resonante Photoemission: eine neue Methode zur Identifizierung von Nachbaratomen

Seminarvortrag am Institut für Technische Physik, FAU Erlangen-Nürnberg, Erlangen, 07.06.1999

H.-P. Steinrück

Elektronische und chemische Eigenschaften von Metallschichtsystemen

Physikalisches Kolloquium an der Universität Erlangen-Nürnberg, June 1999

H.-P. Steinrück

Oberflächenforschung: Physik und Chemie in zwei Dimensionen

Vortrag im Rahmen des Collegium Alexandrinum der Universität Erlangen-Nürnberg

H.-P. Steinrück

Oberflächenforschung: Physik und Chemie in zwei Dimensionen

Vortrag aufgezeichnet vom Bayerischen Rundfunk "Dimensionen von Physik und Chemie"

Ausgestrahlt am 20.07.1999, 16:00 und 21.07.1999, 10:00 im Bildungskanal des Bayerischen Rundfunks BR-Alpha

G. Held

Producing bi-metallic Surfaces by Deposition on Molecular Multilayers

Vortrag bei den Sandia Livermore National Labs., USA, August 1999

G. Held

Producing bi-metallic Surfaces by Deposition on Molecular Multilayers

Vortrag an der University of Wisconsin, Milwaukee, USA, August 1999

H.-P. Steinrück

Ultradünne Metallschichten - neue Materialien mit neuen Eigenschaften

Chemisches Kolloquium, TU München, November 1999

H.-P. Steinrück

Elektronische Struktur und chemische Eigenschaften ultradünner Metallschichten

Kolloquium, Universität Essen, November 1999

2000

G. Held

Where will CLEED go: new ideas, problems and challenges

Vortrag beim Workshop „The Structure Determination of Chemically Complex Systems by Low Energy Electron Diffraction“, Cambridge, January 2000

H.-P. Steinrück

Ultrathin metal films: Correlation between electronic structure and chemical properties

Vortrag im Chemistry Department, University of Cambridge, England, January 2000

R. Neubauer and M. Probst

Elementary steps in the interaction of atoms and molecules with metals, oxides, silicides and ultrathin metal/metal and oxide/metal layers

Vortrag beim Süddeutschen Lehrverbund Katalyse, Ulm

H.-P. Steinrück

Electronic structure and chemical properties of ultrathin metal layers

Eingeladener Vortrag bei AVS-Meeting in San Jose, USA, February 2000

H.-P. Steinrück

Adsorption of small molecules on ultrathin Cu layers on Ni(111) and Ru(0001)

Vortrag bei Lawrence Livermore National Laboratories, Livermore, USA, February 2000

H.-P. Steinrück, S. Kneitz, J. Gemeinhardt, M. Engelhardt, R. Denecke

The adsorption dynamics of CO on ultrathin Cu layers

Eingeladener Vortrag bei 12th Symposium on Surface Science (3S*2000), Kananaski Village, Alberta, Canada, March 2000

G. Held

Elektronische und chemische Eigenschaften dünner Metallfilme

Seminar für Oberflächenphysik, Inst. f. Festkörperphysik der TU Graz, Austria, May 2000

G. Held

Advances in quantitative LEED for surface crystallography

Eingeladener Vortrag beim ECM-19 satellite meeting „Surface Crystallography“, Nancy, France, July 2000

M. Zharnikov and H.-P. Steinrück

Photoelectron holography of clean and adsorbate covered surfaces

Eingeladener Vortrag, 26th IUVESTA Workshop on “Surface Holography and Other Direct Methods”, Hongkong, August 2000

R. Denecke

Temperature-dependent x-ray photoemission study of the dehydrogenation of ethylene and acetylene on Ni(100)

Eingeladener Vortrag beim MAX-lab Users Meeting 2000, Lund, Sweden, September 2000

G. Held

Adsorption einfacher Moleküle auf mono- und bimetallischen Oberflächen

Physikalisch-Chemisches Kolloquium, Universität Erlangen-Nürnberg, November 2000

R. Denecke

Interatomare resonante Photoemission: eine neue Methode zur Identifizierung von Nachbaratomen

Seminarvortrag, Institut für Angewandte Physik, Universität Erlangen-Nürnberg

2001

H.-P. Steinrück

High resolution X-ray photoelectron spectroscopy for the in situ analysis of chemical reactions

Eingeladener Vortrag beim „Workshop on the Scientific Case of a BESSY VUV-Soft-X-Ray FEL“, Holzhau, January 2001

H.-P. Steinrück

Chemische und elektronische Eigenschaften ultradünner Schichtsysteme

Kolloquium am Institut für Festkörper- und Werkstoffkunde (IFW) Dresden, Dresden, June 2001

H.-P. Steinrück

In-situ Untersuchung von Oberflächenreaktionen mit höchstauflösender Photoelektronenspektroskopie

Eingeladener Vortrag beim Workshop "Research with Synchrotron Radiation", Erlangen, 19./20.07.2001

H.-P. Steinrück

Charakterisierung und chemische Eigenschaften ultradünner Schichtsysteme

Kolloquium am Institut für Allgemeine Physik der TU Wien, October 2001

G. Held

The local structure of benzene adsorbed on metal surfaces

Eingeladener Hauptvortrag beim ECM-20, Krakow, Poland, August 2001

G. Held

Bimetallische Oberflächen: Das Wechselspiel von Geometrie, elektronischer Struktur und Reaktivität

Kolloquium am Physik-Department, TU München, November 2001

H.-P. Steinrück

Physikalische und chemische Eigenschaften ultradünner Schichtsysteme

Kolloquium am Physik-Department der TU München, November 2001

R. Denecke, M. Kinne, T. Fuhrmann, C. Whelan, H.-P. Steinrück

High-resolution core-level photoemission experiments for in-situ studies of adsorption kinetics and surface reactions

Eingeladener Hauptvortrag beim BESSY Nutzertreffen, December 2001

M. Aeschlimann, Th. Fauster, P. Feulner, U. Höfer, D. Menzel, A. Nilsson, H.-P. Steinrück, M. Weinelt, M. Wolf, W. Wurth

Femtochemistry – Understanding of the Dynamics and Formation of a chemical bond!

Eingeladener Hauptvortrag beim BESSY Nutzertreffen, December 2001

2002

H.-P. Steinrück

Wechselwirkung einfacher Moleküle mit ultradünnen Schichtsystemen

Kolloquium am Institut für Physikalische und theoretische Chemie der Universität Bonn, January 2002

H.-P. Steinrück

Ultrathin layer systems: Characterization, electronic structure and chemical properties

Plenarvortrag bei der JVC-9 (Joint Vacuum Conference), Schloß Seggau, Leibnitz, Austria, 16.-20.06.2002

H.-P. Steinrück

Chemische Eigenschaften von Oberflächen und Schichtsystemen

GDCh Kolloquium Universität Bayreuth, 04.07.2002

R. Denecke

In-situ Untersuchungen zu Adsorption und Reaktionen an Oberflächen mit zeitaufgelöster Photoelektronen-spektroskopie

Physikalisch-Chemisches Kolloquium, Universität Erlangen-Nürnberg, 16.07.2002

H.-P. Steinrück

Methanol-Dampfreformierung an Pd/Zn/ZnO-Katalysatoren

Präsentation im Rahmen der Begutachtung des DFG-Schwerpunkts „Brückenschläge zwischen idealen und realen Systemen in der heterogenen Katalyse“, Berlin, September 2002

R. Denecke, T. Kinne, T. Fuhrmann, J. Zhu, H.-P. Steinrück

In-Situ Untersuchungen von Oberflächenreaktionen

Eingeladener Hauptvortrag bei der Konferenz für angewandte Oberflächenanalytik (AOFA 12), Kaiserslautern, September 2002

H.-P. Steinrück and R. Denecke

Time Resolved Investigation of Surface Reactions

Eingeladener Vortrag beim Workshop „ERLSYN-Science 2002 - International Workshop on Scientific Applications of Energy Recovery Linac Driven Synchrotron Light Sources“, Erlangen, 27.-29.09.2002

R. Denecke and H.-P. Steinrück

Adsorbate systems studied with linearly polarized photons

Eingeladener Vortrag beim Workshop on „A high-brilliance soft x-ray beamline for the PETRA III storage ring“, Hamburg, October 2002

2003

H.-P. Steinrück

Synchrotronstrahlung – Licht im Nanokosmos

Eingeladener Vortrag bei der Strategiediskussion zum BMBF-Förderschwerpunkt „Erforschung kondensierter Materie mit Großgeräten“, Hamburg, 31.01.2003

R. Denecke

Surface chemistry studied by in-situ x-ray photoelectron spectroscopy

Seminarvortrag, MAX-lab seminar, Lund University, Lund, Sweden, May 2003

R. Denecke

In-situ Untersuchungen von Oberflächenreaktionen

Kolloquium, Experimentalphysik II, Universität Würzburg, June 2003

R. Denecke

Surface chemistry studied by in-situ x-ray photoelectron spectroscopy and molecular beam techniques

Seminarvortrag, Abteilung Oberflächenchemie und Katalyse, Universität Ulm, July 2003

J. F. Zhu

NO Adsorption and Coadsorption with O, CO on Pt(111): In-situ High Resolution XPS Studies

Seminarvortrag, Institut für Physikalische und Theoretische Chemie, Universität Bonn, July 2003

H.-P. Steinrück

In-situ Studies of Surface Reactions

Eingeladener Vortrag, 4th Brazilian-German Workshop on Applied Surface Science, Schloß Ringberg, September 2003

H.-P. Steinrück

Einblicke in die Nanowelt der Oberflächen

Hauptvortrag bei der Jahresversammlung der Vereinigung der Chemielehrer an Realschulen in Bayern, Universität Erlangen-Nürnberg, October 2003

H.-P. Steinrück

Surface Reactions studied by in-situ photoelectron spectroscopy

Kolloquium, Department of Physics, Uppsala University, Sweden, 23.10.2003

H.-P. Steinrück

Light in the Nanocosmos

Kurzvortrag, Faculty of Science and Technology, Uppsala University, Sweden, 24.10.2003

2004

R. Denecke

Projektvorschlag: Stoffübergang beim Vakuumaufkohlen - Untersuchungen zur Adsorption und Dissoziation von Acetylen auf Edelstahl

Vortrag beim Treffen zur Koordination eines BMBF-Antrages mit der Firma Bosch und anderen Projektpartnern, Schwieberdingen, 28.01.2004

H.-P. Steinrück

Elementary steps of surface reactions studied by photoelectron spectroscopy

Kolloquium, Physik-Department der Universität München, 28.01.2004

R. Denecke

Surface chemistry studied by in-situ x-ray photoelectron spectroscopy

Eingeladener Hauptvortrag, DPG-Frühjahrstagung 2004, Regensburg, March 2004

R. Denecke

Characterization of Pd/Zn/ZnO catalysts with „high pressure“ XPS and first results on PdZn alloy formation on Pd(111) - Status report Project D

Bericht beim internen Statustreffen des Teilprojektes Methanol-Dampfreformierung an

Pd/Zn/ZnOKatalysatoren im Rahmen des DFG-Schwerpunkts SPP 1091 „Brückenschläge zwischen idealen und realen Systemen in der heterogenen Katalyse“, Erlangen, April 2004

H.-P. Steinrück

Detaillierte Einblicke in Oberflächenreaktionen durch höchstaufgelöste Photoelektronenspektroskopie mit Synchrotronstrahlung

Kolloquium, Universität Bochum, 04.05.2004

R. Denecke

Detaillierte Einblicke in Oberflächenreaktionen mit in-situ Röntgenphotoelektronenspektroskopie und Molekularstrahl

Chemisches Kolloquium, Universität Marburg, June 2004

H.-P. Steinrück

In-situ Untersuchung von Oberflächenreaktionen mit höchstaufgelöster Röntgenphotoelektronenspektroskopie

Physikalisches Kolloquium, Universität Marburg, 05.07.2004

H.-P. Steinrück

Methanol steam reforming on Pd/Zn/ZnO catalysts - Bridging the „pressure gap“ and the „materials gap“

DFG Schwerpunkt 1091 „Heterogene Katalyse“, Antragskolloquium für 3. Förderperiode, Vorstellung der gemeinsamen Projekte der Arbeitsgruppen Wasserscheid/Emig/Popovska/Liau (Erlangen), Pfeifer/Fichtner (Karlsruhe), Rösch (München) und Steinrück/Borgmann/Denecke (Erlangen), Berlin, September 2004

J. M. Gottfried

Direkte Messungen von Adsorptionswärmen: Mikrokalorimetrie an Einkristallen

Kolloquium, Freie Universität Berlin, Germany, 02.11.2004

2005

H. Marbach

Final Development of the Nanoworkbench: A Tool to Probe Electronic Properties of Surfaces and Small Structures

Seminarvortrag, Universität Hannover, 21.01.2005

R. Denecke

Reactivity of nano-scaled surfaces – in-situ XPS studies of adsorption and reaction on stepped surfaces

Eingeladener Hauptvortrag, 2nd international workshop "nanoscience on surfaces", Obergurgl, 26.-29.04.05

R. Denecke

Molekularstrahl und XPS – Eine Symbiose für die Oberflächenchemie

Kolloquium, Universität Ulm, March 2005

R. Denecke and K. M. Neyman

Methanol-Dampfreformierung an Pd/Zn/ZnO

Vortrag beim Berichtskolloquium zum DFG-Schwerpunktprogramm 1091, Berlin, September 2005

J. M. Gottfried

Metal Complexes on Surfaces: Adsorption of Co(II)-Porphyrins on Ag(111)

Kolloquium, University of Washington, Seattle, USA, 23.08.2005

R. Denecke

Surface reactions followed by in-situ x-ray photoelectron spectroscopy

Seminarvortrag, Advanced Light Source/CXRO, Lawrence Berkeley National Laboratory, Berkeley, USA, July 2005

R. Denecke

Surface reactions followed by in-situ x-ray photoelectron spectroscopy

Seminarvortrag, Chemical and Materials Science, Stanford Synchrotron Radiation Laboratory, Stanford, USA, July 2005

H.-P. Steinrück

Detailed insights in adsorption and reaction on metal surfaces

SFB Kolloquium, Universität Ulm, 06.12.2005

2006

H. Marbach

Von der fraktalen Dimensionsbestimmung bis zur Nanostrukturierung von Oberflächen

Physikalisch-Chemisches Kolloquium, Universität Erlangen-Nürnberg, 31.01.2006

R. Denecke

Detaillierte Einblicke in Oberflächenreaktionen mit in-situ Photoelektronenspektroskopie

Kolloquium, Fakultät für Chemie und Mineralogie, Universität Leipzig, January 2006

H.-P. Steinrück

Detaillierte Einblicke in Adsorption und Reaktion auf Metalloberflächen

Materialwissenschaftliches Kolloquium, TU Wien, 22. March 2006

H.-P. Steinrück

Electronic structure of adsorbate layers

Eingeladener Hauptvortrag, 5th Brazilian-German Workshop on Applied Surface Science, Mangaratiba - Rio de Janeiro, Brazil, April 2006

H.-P. Steinrück

Adsorption and reaction of porphyrins on metal surfaces

Kolloquium, SFB 583, Universität Erlangen-Nürnberg, 28. April 2006

H.-P. Steinrück

Ionic Liquid Surface Science

Antragskolloquium, SPP 1191 (gemeinsamer Antrag mit Prof. Dr. Peter Wasserscheid, Lehrstuhl für Chemische Reaktionstechnik Universität Erlangen-Nürnberg), 18.05.2006

H. Marbach

Properties of Porphyrins on a Silver Surface investigated by Scanning Tunneling Microscopy

Seminar zur Physik supramolekularer Systeme, Universität Bielefeld, 19.05.2006

H.-P. Steinrück

Methanol steam reforming on Pd/Zn/ZnO catalysts

Eingeladener Hauptvortrag, SPP 1091 Projekt (mit Gerhard Emig, Nadejda Popovska, Marcel Liauw, Maximilian Fichtner, Notker Rösch, Konstantin Neyman, Dieter Borgmann, Reinhard Denecke), Bunsentagung, Erlangen, May 2006

H. Marbach

Clean Porphyrin Films on a Silver (111) Surface: Topography, Electronic Structure and Adsorption of small Molecules

Hauptvortrag, 2nd Erlangen Symposium on Redoxactive Metal Complexes – Control of Reactivity via Molecular Architecture, Erlangen, 06.10.2006

H. Marbach

Clean Porphyrin Films on a Silver (111) Surface: Topography, Electronic Structure, Adsorption of small Molecules and in situ Metalation

Seminarvortrag, TU Wien, 22.11.2006

J. M. Gottfried

Photoelectron spectroscopy on metalloporphyrins on Ag(111): Coordination chemistry at a surface

SFB 583, Berichtskolloquium, Universität Erlangen-Nürnberg, 08.12.2006

H.-P. Steinrück

Tailoring the electronic and chemical properties of solid surfaces

Eingeladener Hauptvortrag beim 2nd Kyoto-Erlangen Symposium on Advanced Energy and Materials, Kyoto University, Japan, October 2006

H.-P. Steinrück

Surface properties studied by electron spectroscopies

Kolloquium, Osaka University, Japan, October 2006

H.-P. Steinrück

Chemical reactions of simple and complex molecules on metal surfaces

Kolloquium, Max-Planck-Institut für Festkörperforschung, Stuttgart, 13.12.2006

R. Denecke

In-situ XPS studies of adsorption and reaction processes on surfaces

Kolloquium, Humboldt Universität Berlin, December 2006

2007

J. M. Gottfried

Coordination chemistry at solid and liquid surfaces

Kolloquium, Freie Universität Berlin, 17.01.2007

J. M. Gottfried

Surface-confined coordination chemistry with metalloporphyrins: In-situ metalation and axial coordination

Eingeladener Hauptvortrag, 223rd ACS National Meeting, Chicago, USA, 2007

R. Denecke

In-situ spectroscopy of surface reactions – a time-dependent close-up of fundamental steps of heterogeneous catalysis

Vortrag vor BESSY SAC, 16.04.2007

H.-P. Steinrück

Photoelectron spectroscopy of complex surfaces: From porphyrins to ionic liquids

Vortrag bei Lawrence Livermore National Laboratories, Livermore, USA, 23.04.2007

H.-P. Steinrück

In-situ X-ray photoelectron spectroscopy of surface reactions

Vortrag an der ALS, Berkeley, USA, 24.04.2007

H.-P. Steinrück

Detailed Insights in Surface Chemical Reactions: From Simple Molecules to Metallo-Porphyrins

Vortrag am SLAC, Stanford, USA, 25.04.2007

H.-P. Steinrück

In-situ studies of complex surface reactions

Vortrag, University of California, Santa Barbara, USA, 01.05.2007

H.-P. Steinrück

Surface Chemistry with Porphyrins

Vortrag, Department of Physics and Astronomy, Rutgers University, Piscataway, USA, 03.05.2007

J. M. Gottfried

Functionalization of solid and liquid surfaces with coordination compounds

Kolloquium, TU Ilmenau, 06.06.2007

J. M. Gottfried

Aromatic molecules and coordination compounds on solid and liquid surfaces - What can we learn from adsorption calorimetry and photoelectron spectroscopy?

Vortrag, ETH Zürich, Switzerland, 20.06.2007

J. M. Gottfried

Functionalization of solid and liquid surfaces with coordination compounds

Vortrag, EMPA, Dübendorf, Switzerland, 21.06.2007

J. M. Gottfried

Aromatic molecules and coordination compounds on solid and liquid surfaces - What can we learn from adsorption calorimetry and photoelectron spectroscopy?

Vortrag, Physikalische Chemie, Universität Bonn, 29.06.2007

H. Marbach

Oberflächen mit maßgeschneiderten Eigenschaften

Eingeladener Hauptvortrag beim Workshop "Innovative Oberflächen" im Rahmen des Clusters Chemie der Bayerischen Staatsregierung, 18.07.2007

F. Maier

Oberflächenuntersuchungen an einfachen und komplexen Systemen ionischer Flüssigkeiten mit Photoelektronenspektroskopie

Vortrag, Institut für Metallurgie, Technische Universität Clausthal, 19.07.2007

R. Denecke

In-situ Spektroskopie von Oberflächenreaktionen – zeitaufgelöste Analytik grundlegender Schritte der heterogenen Katalyse

Eingeladener Hauptvortrag, 14. Tagung für Festkörperanalytik, TU Wien, July 2007

H.-P. Steinrück

In-situ Untersuchungen komplexer Oberflächenreaktionen

Kolloquium, TU Clausthal, 28.11.2007

H.-P. Steinrück

Molecular Surface Science

Vortrag bei der Südchemie, Heufeld, 30.11.2007

J. M. Gottfried

Coordination Chemistry at Solid and Liquid Surfaces

Vortrag, TU München, December 2007

H. Marbach

Lithographic Fabrication of Nanostructures by Electron-Beam Induced Deposition in UHV

Vortrag, TU Wien, December 2007

F. Maier

Ionic Liquid Surface Science

Eingeladener Hauptvortrag at the Annual Meeting of the DFG Priority Programm SPP 1191 "Ionic Liquids", Bamberg, 12.-14.12.2007

2008

H.-P. Steinrück

Surface Chemical Reactions: From Simple Molecules to Metallo-Porphyrins

SFB 658 Kolloquium, FU Berlin, 17.01.2008

J. M. Gottfried

In-situ Untersuchungen von Elektrodenprozessen mittels Photoelektronenspektroskopie

Vortrag, DFG Rundgespräch „Grenzflächenprozesse bei Energiespeicherung und -umwandlung“ im Harnack-Haus der Max-Planck-Gesellschaft, Berlin, April 2008

J. M. Gottfried

Surface functionalization with metalloporphyrin and metallophthalocyanine complexes

Vortrag, CERC-3 Young Chemists' Workshop "Surface Chemistry of Nanomaterials", Wien, Austria, May 2008 (nominiert durch die Deutsche Forschungsgemeinschaft)

H.-P. Steinrück

Eberhard Umbach - zum Sechzigsten

Festkolloquium, Forschungszentrum Karlsruhe, 9. May 2008

H. Marbach

A Close-up View of Functional Molecules: Ordering, Electronic Structure and In-situ Reactions of Porphyrin Derivates on Ag(111) Studied by STM

Vortrag, Universität Hannover, June 2008

F. Bebensee

Adsorption Microcalorimetry and its Application to the Study of Metal-Polymer-Interfaces

Seminar, TU Clausthal, 25.06.2008

H.-P. Steinrück

Ionic Liquid Surface Science

Eingeladener Hauptvortrag, Symposium "Concepts and Strategies in Interphase Science", Liscombe, Halifax, Canada, July 2008

H.-P. Steinrück

In-situ X-ray photoelectron spectroscopy of surface reactions

Eingeladener Hauptvortrag, European Conference on Surface Science, ECOS 25, Liverpool, UK, July 2008
Book of Abstracts, Liverpool 2008, p. 558-559

J. M. Gottfried

Coordination Compounds at Solid and Liquid Surfaces: Formation, Electronic Structure, and Reactivity

Kolloquiumsvortrag, University of Washington, Seattle, USA

H.-P. Steinrück

Surface Properties of Ionic Liquids

Eingeladener Hauptvortrag, 6th Brazilian-German Workshop on Applied Surface Science, Titisee, Germany, September 2008

H.-P. Steinrück

In-situ Untersuchungen komplexer Oberflächenreaktionen

Kolloquium, Universität Osnabrück, 13.11.2008

J. M. Gottfried

Metallkomplexe und Koordinationschemie an festen und flüssigen Oberflächen

Kolloquiumsvortrag, Universität Bremen, 14.11.2008

H. Marbach

Porphyrins on the Ag(111) surface: ordering aspects, electronic structure and coordination chemistry

SFB 583 Berichtsseminar, Erlangen, 21.11.2008

J. M. Gottfried

Surface Chemistry of Metal Complexes and Ionic Liquids

Kolloquiumsvortrag, FU Berlin, 28.11.2008

H.-P. Steinrück

Umgang mit Rankings und Nutzung der Ergebnisse des Forschungsratings Soziologie und Chemie - Impulsreferat aus der Praxis

Eingeladener Hauptvortrag beim "Workshop zur Ergebnissnutzung der Pilotstudie Wissenschaftsrating", Wissenschaftsrat, Bonn, 10.12.2008

H.-P. Steinrück

Universitäre Standortplanung aus Sicht eines Betroffenen

Eingeladener Hauptvortrag beim Workshop "Profilbildung und Standortplanung der Österreichischen Universitäten", Österreichische Forschungsgemeinschaft, Wien, Austria, 12./13.12.2008

2009

H. Marbach

Direct writing of clean nanostructures with a focused electron-beam in ultra high vacuum

Vortrag, Universität Bremen, 16.01.2009

K. Lovelock

Surface Properties of Ionic Liquids

Vortrag, Science Day des Clusters of Excellence "Engineering of Advanced Materials", Erlangen, 09.02.2009

J. M. Gottfried

Surface-confined coordination chemistry with porphyrins and phthalocyanines

Kolloquiumsvortrag, Universität Ulm, 13.02.2009

J. M. Gottfried

Surface-confined coordination chemistry with porphyrins and phthalocyanines

Kolloquiumsvortrag, University of Liverpool, 18.02.2009

J. M. Gottfried

Surface-confined coordination chemistry with porphyrins and phthalocyanines

Kolloquiumsvortrag, University of Reading, 23.02.2009

J. M. Gottfried

Surface Functionalisation with Porphyrins and other Planar Metal Complexes

Kolloquiumsvortrag, University of St. Andrews, 26.02.2009

K. Lovelock and A. Fröba

Surface Composition and Surface Tension Investigations of Ionic Liquid Systems

Eingeladener Hauptvortrag, Annual Meeting of the DFG Priority Programm SPP 1191 "Ionic Liquids", Bamberg, 04.-06.03.2009

H. Marbach

Focussed electron-beam induced processing to write nanopatterns

Hauptvortrag, Winterschule des Clusters of Excellence "Engineering of Advanced Materials", Kirchberg, Austria, 16.-20. March 2009

J. M. Gottfried

Surface-confined coordination chemistry with porphyrins and phthalocyanines

Eingeladener Hauptvortrag, DPG Frühjahrstagung, Dresden, 23.03.2009

J. M. Gottfried

Surface Coordination Chemistry with Porphyrins

Colloquium, University of Science and Technology of China, National Synchrotron Radiation Laboratory, Hefei, Anhui, China, 10.04.2009

J. M. Gottfried

Surface Chemistry of Gold Catalysis and Ionic Liquids

Colloquium, National Laboratory for Physical Sciences at the Microscale, Department of Chemical Physics, University of Science and Technology of China, Hefei, China, 24.04.2009

H. Marbach

Electron-beam induced deposition in UHV: "nanowriting" with an electron-beam as a pen and precursor molecules as ink

Physikalisches Kolloquium, Universität Bielefeld, 27.04.2009

J. M. Gottfried

Adsorption and Surface Reactions of Redox-Active Planar Metal Complexes

Colloquium, Nanchang University, Institute of Advanced Studies, Nanchang, Jiangxi, China, 27.04.2009

H.-P. Steinrück

Eigenschaften komplexer Oberflächen: Von Porphyrinen zu Ionischen Flüssigkeiten

Physikalisches Kolloquium, Universität Würzburg, 18.05.2009

F. Maier

The Relationship between the Surface Composition of Ionic Liquids and their Chemical Structure

COIL III - Japanese Pre-Symposium of Ionic Liquids, Cairns, Australia, 29.05.2009

H.-P. Steinrück

Photoelektronenspektroskopie an komplexen Oberflächen: Von Ionischen Flüssigkeiten zu Porphyrinen

GDCh-Kolloquium, Universität Gießen, 26.05.2009

H. Marbach

Lithographic fabrication of clean iron nanostructures by electron-beam induced deposition in ultra-high vacuum

Eingeladener Hauptvortrag, 2nd annual meeting of COST Action CM 0601, Istanbul, 2009

J. M. Gottfried

Catalysis by Gold – Fundamental and Complex Model Systems

Kolloquium, Physikalische Chemie, Universität Bremen, July 2009

J. M. Gottfried

Surface Chemistry with Porphyrins

Kolloquium, Institute of Bio- and Nanosystems, Forschungszentrum Jülich, Germany, July 2009

H.-P. Steinrück

Photoelektronenspektroskopie an komplexen Oberflächen

Eingeladener Hauptvortrag, 15. Tagung Festkörperanalytik (FKA-15), Chemnitz, 12.-16.07.2009

F. Bebensee

Adsorption Calorimetry on Metal-Polymer-Interfaces

Physical Chemistry Seminar, Harvard University, Cambridge, Massachusetts, USA, 28. August 2009

F. Bebensee

Adsorption Microcalorimetry Investigations on Metal-Polymer-Interfaces

Physical Chemistry Seminar, Indiana University, Bloomington, Indiana, USA, 10. September 2009

H.-P. Steinrück

Lithographic fabrication of clean iron nanostructures by electron-beam induced deposition in ultra-high vacuum

Kolloquium, Tongji University, Shanghai, China, September 2009

H.-P. Steinrück

Surface Characterization of Complex Materials

Kolloquium, Jiao Tong University, Shanghai, China, September 2009

H.-P. Steinrück

Surface Chemical Reactions: From Simple Molecules to Porphyrins

Kolloquium, Fudan University, Shanghai, China, September 2009

H.-P. Steinrück

In-situ photoelectron spectroscopy of surface reactions

Kolloquium, University of Science and Technology of China (USTC), Hefei, Anhui, China, September 2009

H.-P. Steinrück

Ionic Liquid Surface Science

Kolloquium, Northwest Industrial University, Xiam, China, September 2009

F. Bebensee

Metal-Polymer-Interfaces: Energetics and Structure

Specialized iNANO Lecture, iNANO Center, Aarhus University, Aarhus, Denmark, 22. September 2009

E. Zillner

Dynamics and Self-Assembly of Tetraphenylporphyrins on Cu (111) and Ag (111): A Scanning Tunneling Microscopy Study

Seminar, Helmholtz-Zentrum Berlin für Materialien und Energie, Bereich Solarenergieforschung, Institut für Heterogene Materialsysteme

H. Marbach

Scanning Tunneling Microscopy of Porphyrins: Towards the Engineering of Functional Molecular Architectures

Seminar, Institut für Physik, TU Chemnitz, November 2009

J. M. Gottfried

Surface Chemistry of Porphyrins and other Complex Adsorbate Systems

Vorstellungsvortrag, FU Berlin, December 2009

2010

R. Streber

Reaction kinetics on platinum surfaces: In-situ XPS studies

Specialized iNANO Lecture, iNANO Center, Aarhus University, Aarhus, Denmark, January 2010

C. Papp

Angle resolved photoemission in the multi-keV regime: first experiments and theory

Eingeladener Hauptvortrag, Hard X-ray Photo Emission Spectroscopy Workshop (HAXPES 2010), SOLEIL, Paris, France, 19.01.2010

H.-P. Steinrück

Surface Reactions

Eingeladener Hauptvortrag, Rundgespräch: „Principles and Applications of Catalysis“, Bad Honnef, 17.-19. February 2010

J. M. Gottfried

Complex surfaces: From porphyrins to polymers and ionic liquids

Vorstellungsvortrag, Universität Leipzig, 14.04.2010

H.-P. Steinrück

Complex surfaces - reactions and properties

Eingeladener Hauptvortrag, Festkolloquium anlässlich des 75. Geburtstages von Prof. Dr. Dietrich Menzel, Max-Planck-Institut für Plasmaphysik, IPP, Garching, 20.04.2010

J. M. Gottfried

Interfacial coordination chemistry with porphyrins (announced)

Keynote Lecture (Fortschrittsbericht), 109. Jahrestagung der Bunsen-Gesellschaft für Physikalische Chemie (Bunsen-Tagung), Bielefeld, 13.-15. May 2010

J. M. Gottfried

Complex surfaces: From porphyrins to polymers and ionic liquids

Vorstellungsvortrag, Universität Leipzig, May 2010

H.-P. Steinrück

Chemistry of Complex Surfaces

Kolloquium, Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin, 2. June 2010

F. Maier

Ionic Liquid Surface Science

Seminarvortrag, Lehrstuhl für Festkörperphysik, Universität Erlangen-Nürnberg, 7. June 2010

J. M. Gottfried

Surface chemistry of complex model systems – Porphyrins, polymers and ionic liquids

Vortrag, University Krakow, Poland, June 2010

J. M. Gottfried

Chemistry at complex surfaces: From porphyrins to polymers and ionic liquids

Vorstellungsvortrag, Universität Bochum, June 2010

H. Marbach

Microscopic and Spectromicroscopic Insight and Fabrication of Nanoscaled Structures on surfaces

Vortrag, SFB 569, Universität Ulm, 30. June 2010

H. Marbach

Microscopic Insight into the Arrangement and Functionalization of Porphyrins on Surfaces

Eingeladener Hauptvortrag, International Conference on Porphyrins and Phthalocyanines (ICPP-6), New Mexico, USA, July 2010

J. M. Gottfried

Metalloporphyrin complexes at solid and liquid surfaces: Formation, redox chemistry and surface coordinative bond

Eingeladener Hauptvortrag, International Conference on Porphyrins and Phthalocyanines (ICPP-6), New Mexico, USA, July 2010

F. Maier

Insights into Surface Science of Ionic Liquids

University of Science and Technology of China, Hefei, Anhui, China, 13.09.2010

H. Marbach

Towards the Engineering of Functional Molecular Architectures: Dynamics and Ordering Aspects of Porphyrins on Metal Surfaces

Eingeladener Hauptvortrag, 10th European Conference on Surface Crystallography and Dynamics (ECSCD-10), Reading, UK, September 2010

H.-P. Steinrück

Chemistry of complex surfaces - from porphyrins to ionic liquids

Eingeladener Hauptvortrag, Symposium "Nanomaterials - New Horizons" at the International Forum on Nanotechnology "RusNANOtech", Moscow, November 2010

H.-P. Steinrück

Some fundamental aspects of photoelectron spectroscopy

Introductionary lecture, University of Science and Technology of China (USTC), Hefei, Anhui, China, November 2010

H.-P. Steinrück

Towards the engineering of nanoscale surface structures - from in situ metallation to electron beam induced deposition

Kolloquium, University of Science and Technology of China (USTC), Hefei, Anhui, China, November 2010

H. Marbach

How to exploit substrate-molecule interactions for the assembly and functionalization of porphyrin derivatives

Vortrag, Workshop of graduate school "NTH school for contacts in nanosystems", Hameln, 27.11.2010

2011

H. Marbach

Electron Beams and Porphyrins: Microscopic Insight and Fabrication of Nanoscaled Structures on Surfaces

Seminarvortrag, Physik-Department E20, TU München, 13.01.2011

H.-P. Steinrück

Ionic Liquid Surface Science

Eingeladener Hauptvortrag, Gordon Conference, Ventura, California, February 2011

H. Marbach

Electron Beams and Porphyrins: Microscopic Insight and Fabrication of Nanoscaled Structures on Surfaces

Physical Chemistry Seminar, Chemistry Department, University College London, UK, 23.02.2011

H. Marbach

Writing nanostructures with a focused electron beam

Eingeladener Hauptvortrag, DPG Frühjahrstagung, Dresden, March 2011

F. Buchner

STM Investigation of Molecular Architectures of Porphyrins on Ag(111) and Cu(111) - Supramolecular Ordering, Electronic Properties, Reactivity

Seminarvortrag, OSRAM, Regensburg, 22.3.2011

H.-P. Steinrück

Surface Chemical Reactions: From Simple Molecules to Porphyrins

Eingeladener Hauptvortrag, 7th Brazilian-German Workshop on Applied Surface Science, Rio de Janeiro, Brazil, April 2011

C. Papp

In-Situ X-Ray Photoelectron Spectroscopy of Surface Chemistry

Physikalisch-Chemisches Kolloquium, Universität Erlangen-Nürnberg, 2. May 2011

H.-P. Steinrück

Surface science of complex molecular systems

Eingeladener Hauptvortrag, Symposium "Frontiers in Interface Science - Theory and Experiment", Berlin, 30.06.2011

M. Laurin et al.

Ionic Liquid Based Model Catalysts

Keynote Lecture, Europacat, Glasgow, Scotland, 28.08.-02.09. 2011

H.-P. Steinrück

Surface Chemical Reactions: From Simple Molecules to Porphyrins

Kolloquium, Hungarian Academy of Sciences, Budapest, Hungary, 6. September 2011

H.-P. Steinrück

In-situ photoelectron spectroscopy of surface reactions

Kolloquium, Reaction Kinetics Research Group of the Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary, 8. September 2011

H.-P. Steinrück

Surface Science goes liquid!

Invited Plenary Lecture, US DOE Catalysis Sciences Meeting "Frontiers in Catalysis: Heterogeneous, Surface, Photo- and Electrochemical", Annapolis, Maryland, USA, 02.-05.10.2011

F. Maier

Insights into Thermodynamics at Liquid Interfaces by Means of Angle Resolved Photoelectron Spectroscopy and Surface Tension Studies

XVIII Russian Conference on Chemical Thermodynamics, Samara, Russia, 03.-07.10.2011

H. Marbach

Direct observation of conformational switching of 2H-5,10,15,20-Tetrakis-(3,5-di-tert-butyl)-phenylporphyrin on Cu(111)

Eingeladener Vortrag, 3rd Erlangen Symposium on Redox-Active Metal Complexes—Control of Reactivity via Molecular Architecture, Erlangen, October 2011

M. Schmid

Examining the interfacial chemistry of organic molecules with photoelectron spectroscopy

Physical Chemistry Seminar, Harvard University, Cambridge, Massachusetts, USA, 20. October 2011

T. Cremer

XPS studies of ionic liquids - from IL bulk and surface properties to IL thin film investigations

Physical Chemistry Seminar, Harvard University, Cambridge, Massachusetts, USA, 20. October 2011

M. Schmid

Interfacial coordination chemistry of tetrapyrroles

UC Riverside, California, USA, 25.10.2011

H. Marbach

Electron Beams and Porphyrins: towards the rational design of functional nanostructures from molecular building blocks

Kolloquium, Universität Bonn, 18.11.2011

H.-P. Steinrück

Surface studies of complex molecular systems

Kolloquium, TU Graz, Austria, 22.11.2011

2012

F. Buchner

STM Investigation of Molecular Architectures of Porphyrins on Ag(111) and Cu(111) - Supramolecular Ordering, Electronic Properties, Reactivity and Diffusion

Seminarvortrag, Physikalische Chemie, Universität Ulm, 24.01.2012

M.-M. Walz

Fabrication of Clean Iron Nanostructures on Silicon Oxide via Focused Electron Beam Induced Deposition

Seminar talk, Department of Physics and Astronomy, Uppsala University, Sweden, 06.02.2012

M.-M. Walz

Fabrication of Clean Iron Nanostructures on Silicon Oxide via Focused Electron Beam Induced Deposition

Seminar talk, Department of Engineering Sciences, Electron Microscopy and Nanoengineering, Uppsala University, Sweden, 07.02.2012

H.-P. Steinrück

Surface chemistry of complex molecular systems

Plenarvortrag, 45. Jahrestreffen Deutscher Katalytiker, Weimar, Germany, 14.-16.03.2012

C. Papp

Chemical Modification of Graphene - Nitrogen doping of Graphene on Ni(111)

Kolloquium, University of Science and Technology of China (USTC), Hefei, Anhui, China, March 2012

H.-P. Steinrück

Surface and interface properties of ionic liquids

Eingeladener Hauptvortrag, 243. ACS-Meeting San Diego, USA, 28.03.2012

H.-P. Steinrück

Surface chemistry with porphyrins

Seminar, University of California, Santa Barbara, USA, 04.04.2012

H.-P. Steinrück

Surface science of complex molecular systems

Seminar, SUNCUT at SLAC, Stanford University, USA, 06.04.2012

H.-P. Steinrück

Surface and Interface Properties of Ionic Liquids - Insights from X-ray photoelectron spectroscopy

Eingeladener Hauptvortrag, 2012 MRS Spring Meeting, San Francisco, USA, 11. April 2012

O. Höfert

Oxides & Kinetics

Seminarvortrag, Universität Osnabrück, 16.04.2012

H. Marbach

From porphyrins to electron beams; or how to mount a molecular switch?

Seminarvortrag, Universität Innsbruck, 17.04.2012

F. Maier

Ionic Liquid Surfaces Elucidated by Angle Resolved Photoelectron Spectroscopy and Surface Tension Measurements

Eingeladener Vortrag, Bunsenkolloquium "Molecular Thermodynamics of Complex Systems", Universität Rostock, 25. April 2012

H.-P. Steinrück

Surface Chemistry of Porphyrinoids

Kolloquium, FHI Berlin, 14.05.2012

F. Maier

Monitoring liquid phase organic reactions by X-ray photoelectron spectroscopy

Eingeladener Fortschrittsbericht, Bunsentagung, Leipzig, 17.-19.05.2012

H.-P. Steinrück

Adsorption and reaction of hydrocarbons on metals – from small molecules to supported heterographene

Eingeladener Hauptvortrag, German-Russian Conference on Fundamentals and Applications of Nanoscience, FU Berlin, 19.-21.05.2012

H.-P. Steinrück

Genau hingeschaut! - In situ Studien von Oberflächenreaktionen

Kolloquium, TU Ilmenau, 05.06.2012

H.-P. Steinrück

Surface science studies of complex molecular systems

Kolloquium, Karlsruhe Institute of Technology (KIT), Karlsruhe, 18.06.2012

F. Maier

Ionic liquid interface science

Invited Lecture, Workshop on "Ionic Liquids and Coulomb Fluids at Interfaces" at Cumberland Lodge, Windsor Great Park, UK, 25.-27.06.2012

H.-P. Steinrück

In situ studies of chemical reactions on surfaces and in ionic liquids by X-ray photoelectron spectroscopy

Invited lecture, Workshop on "Atomic and Electronic Structures of Surfaces and Interfaces", Diamond Light Source, Oxfordshire, UK, 09.-10.07.2012

H.-P. Steinrück

Interface and bulk properties of imidazolium -based ionic liquids: Detailed insight from systematic angle resolved XPS

Eingeladener Hauptvortrag, 244. ACS-Meeting, Symposium "Chemistry and Physics in Tribology", Philadelphia, USA, 19.-23.08.2012

H.-P. Steinrück

In-situ monitoring of chemical reactions in Ionic Liquids

Eingeladener Hauptvortrag, 244. ACS-Meeting, Symposium "Recent advances in studies of molecular processes at liquid interfaces", Philadelphia, USA, 19.-23.08.2012

H.-P. Steinrück

Ionic Liquid Surface Science

Keynote Speech, 3rd Asian-Pacific Conference on Ionic Liquids and Green Processes (APCIL'12), Beijing, China, 17.-19.09.2012

H. Marbach

Surface Science with porphyrins: towards the rational design of functional molecular architectures

Workshop, Universität Hamburg, 20.09.2012

H.-P. Steinrück

In Situ Studies of Surface Chemical Reactions: From Simple Molecules to Porphyrins

Institute of Coal Chemistry, Chinese Academy of Sciences, Taiyuan, Shanxi, China, 21.09.2012

H.-P. Steinrück

Surface, interface and bulk properties of ionic liquids

University of Science and Technology of China (USTC), Hefei, Anhui, China, 24.09.2012

H.-P. Steinrück

High resolution X-ray photoelectron spectroscopy

University of Science and Technology of China (USTC), Hefei, Anhui, China, 24.09.2012

H.-P. Steinrück

Surface chemical reactions: detailed insights from high resolution X-ray photoelectron spectroscopy

Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian, China, 27.09.2012

J. Xiao

Adsorbate Interactions with Organic Ferroelectric Polymers

Seminar, MaxLAB, Lund, Sweden, 02.10.2012

H. Marbach

Towards the rational design of functional nanostructures from molecular building blocks

Kolloquium, Hungarian Academy of Sciences, Budapest, 02.10.2012

C. Papp

In situ Kinetics of Surface Reactions and Graphene Growth and Modification

Kolloquium, Reaction Kinetics Research Group of the Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary, 04.10.2012

H. Marbach

A Surface Science approach to Microscopy and Nanolithography in Erlangen

Seminar, Reaction Kinetics Research Group of the Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary, 04.10.2012

J. Xiao

Phthalocyanine Interactions with Metal Substrates

Seminar, BESSY II, Berlin, 08.10.2012

H. Marbach

Nanoscience and Surface Chemistry

Seminar, Zeiss, Frankfurt, 12.10.2012

F. Maier

Ultra thin ionic liquid films grown on solids – Molecular orientation and film growth studied by angle resolved XPS

Seminar, Physikalische Chemie, Universität Ulm, 06.11.2012

H.-P. Steinrück
Oberflächenforschung an komplexen molekularen Systemen
Physikalische Gesellschaft zu Berlin, Magnushaus, Berlin, 08.11.2012

H.-P. Steinrück
Surface and Interface Properties of Ionic Liquids
Stöckhardt Kolloquium, TU Chemnitz, 06.12.2012

2013

H.-P. Steinrück
Hydrocarbon adsorption on metals: detailed insights from high-resolution X-ray photoelectron spectroscopy
Symposium "Nanoscience on Surfaces: Present stand and future challenges", Schladming, Austria, 20.-23.01.2013

H.-P. Steinrück
Surface Chemical Reactions: From Simple Molecules to Porphyrins
GDCh-Kolloquium Universität Ulm, 31.01.2013

A. Deyko
Surface analysis of ionic liquids/molten salts
Seminar, Imperial College London, UK, 06.02.2013

F. Maier
Ionic liquid surface science: Following organic reactions with XPS
Vortrag, Chemiedozententagung Berlin, 13.03.2013

H.-P. Steinrück
In situ studies of surface reactions in model systems - from simple molecules to liquid organic hydrogen carrier materials
Eingeladener Hauptvortrag, Wilhelm und Else Heraeus-Seminar zum Thema „Energy-related catalysis today and tomorrow: From fundamentals to applications“, Bad Honnef, 25.-28. March 2013

H.-P. Steinrück
Ionic Liquid Surface Science
Rutgers University, Department of Chemistry, Piscataway, USA, 04.04.2013

H.-P. Steinrück
Surface Science with Porphyrins
Rutgers University, Department of Physics and Astronomy, Piscataway, USA, 05.04.2013

H.-P. Steinrück
In Situ Studies of Surface Chemical Reactions: From Simple Molecules to Porphyrins
Eingeladener Hauptvortrag, 245. ACS-Meeting, A.W. Adamson Award-Symposium, New Orleans, USA, 07.-11.04.2013

H.-P. Steinrück
In situ studies of surface reactions - from small molecules to graphene and porphyrins
Eingeladener Hauptvortrag, Symposium Niedersächsische Technische Hochschule (NTH), Gosslar, 13.-15.06.2013

H.-P. Steinrück
X-ray photoelectron spectroscopy of ionic liquid interfaces
Eingeladener Vortrag, CENEM Workshop "Neutron for Functional Materials", Erlangen, 18.-19.06.2013

C. Papp

In situ XPS studies of the growth and the modification of graphene

Clausthal, 19.06.2013

H. Marbach

On the dynamics of molecular processes on surfaces with scanning tunneling microscopy

Universität Ulm, 02.07.2013

C. Papp

In situ Studies of Surface Reactions

Harward University, Cambridge, USA, 03.07.2013

C. Bronnbauer

Modeling catalytic reactions: Graphene supported noble metal cluster arrays studied with high resolution XPS

Lehrstuhl für Werkstoffwissenschaften (Materialien der Elektronik und der Energietechnologie), Universität Erlangen-Nürnberg, September 2013

H.-P. Steinrück

Ionic liquid surface science: Interface properties and chemical reactions

Invited Talk, IVC-19 / ICN T 2013 / ICSS 15 conference in Paris, France, 09.-13.09.2013

H. Marbach

Towards room temperature switching of individual molecules

Invited short presentation, 8th Brazilian-German Workshop on Applied Surface Science, Bamberg, 15.-20.09.2013

C. Papp

Growth and Doping of Graphene

Invited short presentation, 8th Brazilian-German Workshop on Applied Surface Science, Bamberg, 15.-20.09.2013

H.-P. Steinrück

Surface Science of Complex Molecular Systems

Eingeladener Hauptvortrag, 49th Symposium on Theoretical Chemistry, Erlangen, 22.-27.09.2013

C. Papp

Chemical Modification of Graphene

Second Erlangen Symposium on Synthetic Carbon Allotropes, Erlangen, 29.09.-02.10.2013

C. Gleichweit

Dehydrogenation of Liquid Organic Hydrogen Carriers - In-situ Spectroscopic Studies

Institut für Festkörperphysik, TU Graz, 31.10.2013

H. Marbach

Towards the engineering of functional molecular architectures on surfaces

Universität Hannover, 11.11.2013

H. Marbach

Insights into a prototype functional molecule: self-assembly, dynamics, conformational switching and reactivity of porphyrins on surfaces

TU Clausthal, 13.11.2013

H.-P. Steinrück

Surface chemical reactions: Detailed insights from isothermal studies

9th International Symposium on Atomic Level Characterizations for New Materials and Devices '13 (ALC'13), Hawaii, USA, 02.-06.12.2013

H.-P. Steinrück

Surface Science of Complex Molecular Systems

Opening lecture, Nottingham Nanoscience and Nanotechnology Centre X-ray Photoelectron Spectroscopy Suite, Nottingham, UK, 17.12.2013

2014

H. Marbach

Electron Beam Induced Surface Activation: a new route for the fabrication of clean metallic nanostructures

TU Wien, 14.01.2014

C. Kolbeck

Surface Characterisation of Ionic Liquid Systems by angle-resolved X-ray Photoelectron Spectroscopy (ARXPS)

TU Wien, 17.01.2014

H. Marbach

On the energy to bend a molecule: extracting information from the nanoworld with a scanning tunneling microscope

Summerschool, Campinas University, Brazil, 20.02.2014

H. Marbach

Surface Science with porphyrins: adsorption behavior, reactivity, electronic structure

Campinas University, Brazil, 24.02.2014

H.-P. Steinrück

Coverage-induced Enhancement of the Self-Metalation of 2H-Tetraphenylporphyrins on Cu(111)

247. ACS-Meeting, Dallas, USA, 18.03.2014

H. Marbach

Lithographic fabrication of clean nanostructures via Electron Beam Induced Surface Activation: new perspectives and challenges for precursor fabrication

Eingeladener Vortrag, Workshop of EU COST Action CM 1301 "Chemistry for Electron-Induced Nanofabrication (CELINA)", Erlangen, 20.03.2014

H.-P. Steinrück

In situ studies of surface reactions

Hong Kong University of Science and Technology, China, 17.04.2014

H.-P. Steinrück

Surface chemistry of hydrocarbons

Lu Jiaxi Lectureship, Xiamen University, Xiamen, China, 21.04.2014

H.-P. Steinrück

Surface Science of complex adsorbate layers - from small molecules to porphyrins

Zhejiang University, Hangzhou, China, 23.04.2014

H.-P. Steinrück

In situ Studies of Surface Reactions

3rd Annual Conference and EXPO of AnalytiX 2014, Dalian, China, 25.-28.04.2014

H.-P. Steinrück

High resolution X-ray photoelectron spectroscopy

University of Science and Technology of China (USTC), Hefei, Anhui, China, 28.04.2014

H.-P. Steinrück

Surface chemistry with porphyrinoids

University of Science and Technology of China (USTC), Hefei, Anhui, China, 29.04.2014

H.-P. Steinrück

Surface Science of Complex Molecular Systems

Physik, TU Chemnitz, 14.05.2014

H.-P. Steinrück

A look at the physics and chemistry of complex surfaces

Physik, TU Wien, 20.05.2014

C. Papp

Hydrogen Storage in Liquid Organic Hydrogen Carriers

EAM Summerschool, Kloster Banz, 17.07.2014

H.-P. Steinrück

Surface chemistry of hydrocarbons - from small molecules to graphene and liquid organic hydrogen carriers

Universitat de Barcelona, Spain, 17.07.2014

H.-P. Steinrück

Surface Chemistry of Hydrocarbons

Eingeladener Hauptvortrag, 248. ACS-Meeting, Symposium on "Surface Science, Science Policy Making and Sustainable Development (in Honor of Prof. Sir David King)", San Francisco, USA, 11.08.2014

H.-P. Steinrück

In situ reaction studies in ionic liquids

Eingeladener Hauptvortrag, 248. ACS-Meeting, Symposium "Physical Chemistry of Ionic Liquids", San Francisco, USA, 13.08.2014

F. Maier

Ultrathin ionic liquid layers - a close look at the interface

Eingeladener Vortrag, 248. ACS-Meeting, Symposium "Physical Chemistry of Ionic Liquids", San Francisco, USA, 13.08.2014

H.-P. Steinrück

Influence of substituents and functional groups on the surface composition of ionic liquids

Eingeladener Hauptvortrag, 248. ACS-Meeting, Symposium on "Chemical Foundations of Tribology", San Francisco, USA, 13.08.2014

F. Maier

Insights into Surface Science of Ionic Liquids

Stanford University, USA, 18.08.2014

F. Maier

Insights into Surface Science of Ionic Liquids

University of California, Berkeley, USA, 25.08.2014

M. Röckert

Metalation and Dehydrogenation of Tetraphenylporphyrin on Cu(111): A Coverage- and Temperature-Dependent Study

Rutgers University, USA, 19.09.2014

O. Höfert

Adsorption and reaction of small molecules on the NiO/Pd(100) system

Universität Osnabrück, 26.09.2014

H.-P. Steinrück

In situ studies of surface reactions with high-resolution XPS and STM

Eingeladener Vortrag, Catalysis Summit 2014, Kaisertal, Austria, 26.09.2014

H. Marbach

Mind the entropy: on the energetics of conformational molecular switching of porphyrins on Cu(111) close to room temperature

Eingeladener Vortrag, IGK Workshop, Schloss Lübbenau, 16.10.2014

H.-P. Steinrück

Surface-assisted metallation of porphyrins

Eingeladener Vortrag, SPINMOL - "Spintronics and Magnetochemistry on the Atomic and Molecular Level", Ascona, Switzerland, 26.-30.10.2014

H. Marbach

Electron Beams and Porphyrins: combining top-down and bottom-up approaches for the rational design of functional nanostructures from molecular building blocks

Eingeladener Vortrag, Workshop on "Low-energy electrons: Lithography, Imaging, and Soft Matter (LEELIS)", Amsterdam, Netherlands, 05.11.2014

H.-P. Steinrück

Surface Chemistry of Porphyrins

Surface and Interface Science Laboratory, RIKEN, Saitama, Japan, 11.11.2014

H.-P. Steinrück

Ionic Liquid Surface Science

Tokyo Institute of Technology, Tokyo, Japan, 12.11.2014

H.-P. Steinrück

Ionic Liquid Surface Science

Department of Materials Engineering Science, Osaka University, Osaka, Japan, 13.11.2014

H.-P. Steinrück

Surface and Interface Properties of Ionic Liquids

Keynote Lecture, The 1st International Symposium on Interactive Materials Science Cadet Program (1ISMSC), Osaka, Japan, 17.11.2014

2015

H.-P. Steinrück

Surface Science of Complex Molecular Systems

Physikalisch-Chemisches Kolloquium und SFB 1083 Kolloquium, Universität Marburg, 15.01.2015

C. Papp

Surface Chemistry on Metal Single Crystals and Graphene-supported Metal Particles

Gordon Research Conference "Chemical Reactions on Surfaces", Ventura, USA, 08.-13.02.2015

H.-P. Steinrück

Chemical reactions of porphyrins on surfaces

SFB 951, Berlin, 19./20.02.2015

H.-P. Steinrück

Ionic Liquid Surface Science

Universidad de Buenos Aires, Argentina, 30.03.2015

H.-P. Steinrück

In situ studies of surface reactions

Atomic Center, Institute Balseiro, San Carlos de Bariloche, Argentina, 09.04.2015

H.-P. Steinrück

Surface chemistry of complex molecular systems

Plenary Lecture, Biannual Argentine National Physical Chemistry Meeting (XIX Congreso Argentino de Fisicoquímica y Química Inorgánica), Buenos Aires, Argentina, 12.-15.04.2015

F. Maier

10 years of ionic liquid surface and interface science

University of Szeged, Hungary, 22.04.2015

H.-P. Steinrück

Ionic Liquid Surface Science

Symposium on "Present Challenges in Surface Science and Photon-Driven Phenomena at Interfaces", München, 23./24.04.2015

C. Papp

Surface Chemistry on Metal Single Crystals and Graphene-supported Metal Particles

Universität Ulm, 19.06.2015

H.-P. Steinrück

Surface Chemistry on supported graphene

Hungarian Academy of Sciences, Budapest, 26.05.2015

H.-P. Steinrück

Surface Chemistry with porphyrins

University of Szeged, Szeged, Hungary, 27.05.2015

F. Vollnhals

Nanofabrication by Electron Beam Induced Surface Activation

Universität Bielefeld, 09.06.2015

O. Lytken

Structure-Dependent Reactions of Tetraphenylporphyrin with Cu(111)

Invited talk, 227th ECS Meeting, Chicago, USA, 24.-28.05.2015

H. Marbach

Focused electron beam induced processing: a lithographical tool for the fabrication of well-defined nanostructures and to manipulate matter on the nanoscale

Symposium "Workshop Koordinationsnetzwerke als Bausteine für Funktionssysteme", Reisenburg, 02.07.2015

H. Marbach

Microscopic investigations of kinetic processes on interfaces: extracting physicochemical information from the nanoscale

TU Freiberg, 06.07.2015

H.-P. Steinrück

In situ studies of surface reactions by fast XPS

International Exploratory Workshop on Photoelectrochemistry, Catalysis and X-ray Spectroscopy, EMPA, Dübendorf, Switzerland, 17.-19.08.2015

H.-P. Steinrück

Surface Chemistry of Complex Molecular Systems

Bilateral Symposium "Advanced Materials for Electronic Applications", Bangkok, Thailand, 25.-27.08.2015

H. Marbach

Focused electron beam induced processing in a surface science approach: exploiting catalytic processes and local surface activation for the controlled fabrication of clean metallic nanostructures with reduced size
 CELINA Workshop, 41st international conference on micro- and nanofabrication and manufacturing using lithography and related techniques (MNE), den Haag, Netherlands, 21.-24.09.2015

H.-P. Steinrück

Surface Chemistry of Supported Graphene
 Catalysis Summit 2015, Filzmoos, Austria, 24.-27.09.2015

C. Papp

Hydrogenation of Graphene
 3rd Erlangen Symposium on Synthetic Carbon Allotropes, Erlangen, 04.-07.10.2015

F. Maier

Ten Years of Ionic Liquid Surface and Interface Science
 2nd EuCheMS Congress on Green and Sustainable Chemistry, Lisbon, Portugal, 04.-07.10.2015

H. Marbach

Molecules on the Move: What can We Learn from the Microscopic Observation of Molecular Dynamics
 Functional Molecules on Surfaces, Workshop, Young Scholars' Programme of the Bavarian Academy of Sciences and Humanities, München, 09.10.2015

H.-P. Steinrück

Interfaces of Ionic Liquids
 Invited Talk, AVS Symposium, San Jose, California, USA, 18.-23.10.2015

L. Zhang

Adsorbates on metal surfaces: From graphene to porphyrin
 Advanced Light Source special seminar, Berkeley, California, USA, 23.10.2015

O. Lytken

Reactions of phthalic acid on Ag(100) and MgO(100)
 Invited talk, 1st funCOS International Workshop, Erlangen, 08.-11.11.2015

H.-P. Steinrück

Surface and Interface Science of Complex Molecular Systems
 Workshop on "Ambient Pressure HAXPES", DESY, Hamburg, 27.11.2015

H. Marbach

On the energy to switch an individual molecule: scrutinizing dynamic processes of porphyrins on surfaces close to room temperature
 TU Ilmenau, 01.12.2015

L. Zhang

Self-assembly and metalation of functionalized porphyrins on metal surfaces
 University of Science and Technology of China, Hefei, China, 29.12.2015

2016

L. Zhang

Adsorbates on metal surfaces: From graphene to porphyrin
 Chongqing University, Chongqing, China, 08.01.2016

H. Marbach

From porphyrins to electron beams: detailed investigations and controlled fabrication of nanostructures at interfaces

Universität Chemnitz, 12.01.2016

H. Marbach

On the energy to bend an individual molecule: what can we learn from the microscopic investigation of molecular dynamics on surfaces?

Universität Würzburg, 20.01.2016

H.-P. Steinrück

X-ray photoelectron spectroscopy of complex molecular systems

Ceremonial Lecture, Universität Oldenburg, 02.02.2016

H.-P. Steinrück

In situ studies of surface reactions

31st Workshop on Novel Materials and Superconductors, Obertraun, Austria, 07.-13.02.2016

H. Marbach

Scanning tunneling microscopy beyond imaging: extracting the energy required to switch an individual molecule

Universität Siegen, 16.02.2016

H.-P. Steinrück

Ionic Liquid Surface Science

Overview talk, DPG Tagung, Regensburg, 07.-11.03.2016

C. Papp

In-situ Studies of the Reactivity of Pt Model Catalysts: from Flat Surfaces to Nanoparticles

Hauptvortrag, DPG Tagung, Regensburg, 07.-11.03.2016

H.-P. Steinrück

Advances in Surface and Interface Science of Ionic Liquids

251. ACS-Meeting, Symposium in Honor of M. B. Shiflett, Division of Industrial & Engineering Chemistry, San Diego, USA, 14.03.2016

C. Papp

Surface chemistry of hydrocarbons - from small molecules to hydrogen and energy storage molecules

International SFB-658 Symposium 2016, "Molecular Switches and Functional Interfaces", Berlin, 10.-14.04.2016

H. Marbach

Metalation and other reactions of porphyrins as prototype functional molecules at the solid-vacuum interface

9th Brazilian-German Workshop on Applied Surface Science, São Paulo, Brazil, 10.-15.03.2016

F. Maier

Ionic liquids at surfaces and interfaces

DFG-Priority Program SPP 1708 Symposium on "Materials Synthesis and Interfacial Processes in Ionic Liquids", Goslar, 13.-15.04.2016

C. Papp

Dehydrogenation of liquid organic hydrogen carriers on Pt(111)

Hauptvortrag, Bunsentagung 2016, Rostock, 05.-07.05.2016

O. Lytken

Metalation of Porphyrins on Surfaces in Liquid and Vacuum

229th Meeting of the Electrochemical Society (ECS), San Diego, USA, 29.05.-03.06.2016

H. Marbach

Electron beam induced surface activation and chemical selectivity: new routes for the fabrication of welldefined nanostructures

Plenarvortrag, COST CELINA General Meeting, Krakow, Poland, 18.05.2016

H.-P. Steinrück

In situ studies of surface reactions – from small molecules to liquid organic hydrogen carriers

Plenary lecture, 14th European Vacuum Conference (EVC 14), Portorož, Slovenia, 06.-10.06.2016

H. Marbach

On the energy to switch an individual molecule: scrutinizing dynamic processes of porphyrins on surfaces close to room temperature

Institut für Angewandte Physik, TU Wien, 05.07.2016

H. Marbach

Fabrication of Clean Metallic Nanostructures and Reduction of Proximity Effects via Focused Electron Beam Induced Processing in UHV

FEBIP 2016, Wien, Austria, 06.07.2016

C. Papp

Model catalysis with liquid organic hydrogen carriers

International Conference on Solid Films and Surfaces (ICSFS 18), Chemnitz, 28.08.-02.09.2016

H.-P. Steinrück

Surface chemistry in complex organic layers - Metalation of porphyrins on metals and oxides

International Conference on Solid Films and Surfaces (ICSFS 18), Chemnitz, 28.08.-02.09.2016

M. Lepper

Comparing the adsorption behavior of different cyanoporphyrins via STM

Catalysis Summit 2016, Filzmoos, Austria, 22.-25.09.2016

H.-P. Steinrück

Ionic liquids and their interfaces - a surface science perspective

Catalysis Summit 2016, Filzmoos, Austria, 22.-25.09.2016

H. Marbach

Scanning tunneling microscopy studies of porphyrins as prototype functional molecules: from supramolecular aggregates over surface mediated reactions to the energy to switch an individual molecule

XXV Brazilian MRS Meeting, Campinas, Brazil, 25.-29.09.2016

M. Lepper

Comparing the adsorption behavior of different cyanoporphyrins via STM

Symposium "Tetrapyrroles in Materials Science", Erlangen, 30.09.2016

H. Marbach

Scrutinizing physicochemical processes at interfaces: microscopy beyond imaging and controlled fabrication of nanostructures

Universität Saarbrücken, 28.10.2016

H.-P. Steinrück

Chemistry at complex interfaces

International Symposium "Pioneering New Fields: Forefront of RIKEN's Science and Beyond", Tokyo, Japan, 21.-22.11.2016

M. Lepper

On the self-metalation rate of cyano-functionalized tetraphenylporphyrins on Cu(111)

Vortrag beim "Best-Practice" Workshop zur "Internationalization in Teaching", Erlangen, 28.11.2016

C. Papp

In-situ Studies of the Reactivity of Pt Model Catalysts: from Flat Surfaces to Nanoparticles

Thomas Young Centre-Energy Workshop joint with the EPSRC-Toucan Grant International Conference on "Shaping Nanocatalysts", Kings College, London, UK, 14.-16.12, 2016

2017

C. Papp

In-situ Studies of the Reactivity of Pt Model Catalysts: from Flat Surfaces to Nanoparticles

Workshop of the SFB 1083 "Structure and Dynamics of Internal Interfaces", Phillips Universität Marburg, Marburg, 17.01.2017

C. Papp

Surface Analysis with synchrotron-based X-ray Photoelectron Spectroscopy

Tutorial at the Workshop of SFB 1083 "Structure and Dynamics of Internal Interfaces", Phillips Universität Marburg, Marburg, 17.01.2017

H.-P. Steinrück

Ionic Liquids and their interfaces

Jahrestagung der Schweizerischen Arbeitsgemeinschaft Oberflächen und Grenzflächen (SAOG), Fribourg, Switzerland, 27.01.2017

H.-P. Steinrück

Chemical reactions at ionic liquid interfaces

Gordon Research Conference, Lucca, Tuscany, Italy, 05.-10.02.2017

C. Papp

In-situ Studies of the Reactivity of Pt Model Catalysts: from Flat Surfaces to Nanoparticles

Paul Scherrer Institut, Villigen, Switzerland, 07.02.2017

H.-P. Steinrück

Analysis of Ionic Liquid Interfaces in Catalysis

Keynote Lecture, Analytix, Fukuoka, Japan, 22.-24.03.2017

C. Papp

From Flat Surfaces to Nanoparticles: In Situ Studies of the Reactivity of Model Catalysts

Leopold-Pfaundler-Symposium, Universität Innsbruck, Austria, 15.05.2017

H.-P. Steinrück

In situ studies of surface and interface reactions

DESY-FAU-HZB Symposium, Erlangen, 29.-30.05.2017

C. Papp

Surface chemistry of nanoclusters

2nd German-Chinese Young Scientist Symposium on Structures and Dynamics at Surfaces, Göttingen, 28.05.-01.06.2017

O. Lytken

Reactions of Adsorbed Porphyrins On Oxides and Metals in Ultrahigh Vacuum and in Liquids

231st meeting of the Electrochemical Society (ECS), New Orleans, USA, 28.05.-01.06.2017

C. Papp

From Flat Surfaces to Nanoparticles: In Situ Studies of the Reactivity of Model Catalysts

Physikalisch-Chemisches Kolloquium, TU München, 10.06.2017

H.-P. Steinrück

Surface science of complex molecular systems - from supported graphene to hydrogen carrier molecules

Keynote Lecture, Second International Conference on Applied Surface Science, Dalian, China, 12.-15.06.2017

Hans-Peter Steinrück

In situ studies of surface reactions - from small molecules to energy storage materials

University of Science and Technology of China (USTC), Hefei, Anhui, China, 16.06.2017

Hans-Peter Steinrück

Surface chemistry of complex systems – from small molecules to graphene and energy storage materials

Department of Chemistry, Rutgers University, Piscataway, USA, 30.07.2017

Hans-Peter Steinrück

In situ metalation of porphyrins on metals and oxides

Laboratory for Surface Modification, Rutgers University, Piscataway, USA, 01.08.2017

Hans-Peter Steinrück

In situ studies of surface reactions - from simple to complex systems

Harvard University, Cambridge, USA, 08.08.2017

Hans-Peter Steinrück

Chemical Reactions in Ionic Liquids Monitored through the Gas (Vacuum)/Liquid Interface

Keynote Lecture, ECOSS 33, Szeged, Hungary, 28.08.-01.09.2017

H. Marbach

Towards the controlled fabrication of well-defined nanostructures: a surface science approach to electron beam lithography

ECOSS 33, Szeged, Hungary, 31.08.2017

Hans-Peter Steinrück

Surface Chemistry of Complex Systems - In situ metalation of porphyrins on metals & oxides

Catalysis Summit, Filzmoos, Austria, 21.-24.09.2017

Hans-Peter Steinrück

Surface Chemistry of Complex Materials

Plenary Lecture, Österreichische Chemie Tage 2017 (Austrian Chemistry Days der GÖCh), Salzburg, 25.-28.09.2017

C. Papp

Functionalization of 2D Materials

Keynote Lecture, Erlangen Symposium on "Synthetic Carbon Allotropes", Erlangen, 26.09.2017

Hans-Peter Steinrück

Surface chemistry of complex molecular systems - from graphene to energy storage molecules

International Symposium on Surface Science, ISSS-8, Tsukuba, Japan, 22.-26.10.2017

Hans-Peter Steinrück

Ionic Liquid Surface Science

Medard W. Welch Award Lecture, AVS Meeting, Tampa, Florida, USA, 29.10.-03.11.2017

Hans-Peter Steinrück

In situ studies of surface reactions

Workshop Surface Science RIO, WS2Rio, Brazilian Center for Research in Physics (CBPF), Rio de Janeiro, Brazil, 06.11.2017

F. Maier

Reactions and processes at inner and outer ionic liquid surfaces

Keynote Lecture, 5. WEH-Seminar "Surfaces and Interfaces of Ionic Liquids", Bad Honnef, Germany, 03.-06.12.2017

H.-P. Steinrück

In situ studies of complex molecular systems OR What I would like to do with ionic liquids!

Minisymposium „Hot Topics in Ionic Liquids“, Erlangen, 07.-08.12.2018

H. Marbach

From porphyrins to electron beams: detailed investigations and controlled fabrication of nanostructures at surfaces

Physikalisch-Chemisches Kolloquium, Universität Marburg, 07.12.2017

C. Papp

Model catalysis with liquid organic hydrogen carriers - towards a hydrogen-free hydrogen society

BESSY Usermeeting, Berlin, 14.12.2017

2018

H. Marbach

Microscopy beyond imaging: on the thermodynamics and kinetics of physicochemical processes at interfaces

TU Bergakademie Freiberg, 21.01.2018

F. Maier

Liquids in UHV - Surface of Ionic Liquids Studied by Angle-Resolved X-Ray Photoelectron Spectroscopy

Max Planck Institut für Polymer Research, Mainz, 15.02.2018

C. Papp

Functionalization of 2D Materials

Keynote Lecture, 4th IMPRS-CS Workshop, Schloss Ringberg, Tegernsee, Germany, 20.02.2018

H.-P. Steinrück

Following reactions in ionic liquids through the outer surface by X-ray photoelectron spectroscopy

Keynote Lecture, 255. ACS-Meeting, Symposium "Physical Chemistry of Ionic Liquids", New Orleans, USA, 08.-22.03.2018

F. Maier

A close look at ionic liquid / support interfaces

Keynote Lecture, 255. ACS-Meeting, Symposium "Physical Chemistry of Ionic Liquids", New Orleans, USA, 08.-22.03.2018

H.-P. Steinrück

In situ studies of surface reactions

University of Washington, Seattle, USA, 30.04.2018

H.-P. Steinrück

Surface Chemistry of Complex Materials

Symposium, 80th birthday of Prof. R. J. Madix, Stanford University, USA, 07.05.2018

H.-P. Steinrück

Metalation of porphyrins on metals and oxides in vacuum and in the liquid phase

Advanced Light Source, University of California, Berkeley, USA, 08.05.2018

H.-P. Steinrück

In situ metalation of porphyrins on solid surfaces

SFB 840 Kolloquium, Universität Bayreuth, 18.06.2018

H.-P. Steinrück

Metalation of porphyrins on metal and oxide surfaces

GDCh Kolloquium, Universität Leipzig, 12.07.2018

H.-P. Steinrück

Fundamental surface science studies addressing chemical energy storage systems

Int. Workshop of Synchrotron Radiation Spectroscopies for Energy Related Materials (IWSERM-2018), Hefei, China, 02.-05.09.2018

H.-P. Steinrück

Surface science of low-vapor-pressure liquids

Plenary Talk, ÖPG meeting, Graz, Austria, 11.-14.09.2018

H.-P. Steinrück

Liquid Interfaces

Catalysis Summit, Filzmoos, Austria, 20.-23.09.2018

H.-P. Steinrück

Ionic Liquid Surface Science

10th Brazilian-German Workshop on Applied Surface Science, Bad Dürkheim, Germany, 23.-28.09.2018

H.-P. Steinrück

Angle resolved X-ray photoelectron spectroscopy of low-vapor-pressure liquids

14th International Conference on Electronic Spectroscopy and Structure (ICESS-14), Shanghai, China, 08.-12.10.2018

H.-P. Steinrück

In situ metalation of porphyrins on solid surfaces

Symposium on "Charge Transfer in Metal-Organic Systems at Surfaces", University of Warwick, UK, 14.11.2018

H.-P. Steinrück

Surface chemistry with porphyrins on metal and oxide surfaces

10th Singapore International Chemistry Conference (SICC-10), Singapore, 16.-19.12.2018

2019

H.-P. Steinrück

Ionic Liquid Surface Science

Morino Lectureship, Osaka University, Osaka, Japan, 22.03.2019

H.-P. Steinrück

Surface science of complex molecular systems - from supported graphene to energy storage molecules

Morino Lectureship, Kyoto University, Kyoto, Japan, 25.03.2019

H.-P. Steinrück

In situ metalation of porphyrins on metal and oxide surfaces

Morino Lectureship, Institute of Molecular Science, Okasaki, Japan, 26.03.2019

H.-P. Steinrück

Surface Science of Low Vapor Pressure Liquids

Plenary lecture, International Symposium on Molecular Science 2019, and Morino Lectureship, Tokyo Institute of Technology, Tokyo, Japan, 28.03.2019

H.-P. Steinrück

Ionic Liquid Adsorption and Ion Exchange Processes at Single Crystal Surfaces

ACS Symposium in Honor of Hajo Freund, Orlando, USA, 01.-04.04.2019

H.-P. Steinrück

New catalytic concepts using low-vapor-pressure liquids

World Chemistry Forum 2019, Barcelona, Spain, 22.-24.05.2019

H.-P. Steinrück

Surface Science of Low Vapor Pressure Liquids

5th Russian-German seminar on Catalysis "Bridging the Gap between Model and Real Catalysis. Synchrotron radiation in catalysis", Novosibirsk, Russia, 23.-26.06.2019

H.-P. Steinrück

Surface reactions of complex molecular systems: from supported graphene to hydrogen storage molecules

ACS, San Diego, USA, 25.-29.08.2019

H.-P. Steinrück

Surface Science of complex molecular systems: free-base porphyrins on Cu(111)

Catalysis Summit, Filzmoos, Austria, 26.-29.09.2019

H.-P. Steinrück

Surface chemistry of complex molecular systems

Symposium "Crossroads in Physical Chemistry - Experiment meets Theory" in Honor of Professor Joachim Sauer and Professor Hajo Freund, Berlin, 14./15.10.2019

H.-P. Steinrück

Surface chemistry of complex molecular systems – from supported graphene to energy storage molecules

Shenzhen University, Shenzhen, China, 21.10.2019

H.-P. Steinrück

Synchrotron radiation studies of complex surface reactions

University of Science and Technology of China (USTC), Hefei, China, 25.10.2019

H.-P. Steinrück

Dynamic processes at the interfaces of molecular systems

Soochow University, Suzhou, China, 28.10.2019

H.-P. Steinrück

Surface reactions on supported 2D materials

Valencia-Erlangen Symposium on the Chemistry and Physics of 2D Materials, Valencia, Spain, 12.-14.11.2019

2020

H.-P. Steinrück

Ionic Liquid Adsorption and Ion Exchange Processes at Single Crystal Surfaces

XXII. Symposium on Atomic, Cluster and Surface Physics, SASP'20, St. Moritz, Switzerland, 02.-07.02.2020

H.-P. Steinrück

Ionic Liquid Surface Science

“FORUM OF GREAT MINDS” Lectureship, University of Science and Technology of China (USTC), Hefei, China, 27.11.2020, online

2021

H.-P. Steinrück

Catalytic concepts with ionic liquids – a surface science perspective

TrackAct-Seminar, SFB 1441 “Tracking the Active Site in Heterogeneous Catalysis for Emission Control”, Karlsruhe Institute of Technology (KIT), Karlsruhe, 16.7.2021, online

H.-P. Steinrück

News from ionic liquid surface science

Catalysis Summit, 23.-26.09.2021, Filzmoos, Österreich

H.-P. Steinrück

Catalytic concepts with ionic liquids - a surface science perspective

International Conference and Expo on Catalysis, Chemical Engineering and Technology, Vancouver, Kanada, 28.10.2021, online

H.-P. Steinrück

Modern aspects of X-ray photoelectron spectroscopy

State Key Laboratory of Advanced Technology for Material Synthesis and Processing, Wuhan University of Technology, China, 02.11.2021, online

H.-P. Steinrück

Interfaces of ionic liquids

GDCh-Kolloquium, Universität Stuttgart, 11.11.2021

H.-P. Steinrück

X-ray photoelectron spectroscopy - an introductory lecture

International Erasmus Mundus Master Programme “Surface, Electro-, Radiation, and Photo-Chemistry (SERP+)”, Paris-Saclay University (Frankreich), Adam Mickiewicz University (Polen), University of Genoa (Italien) and University of Porto (Portugal), 16.11.2021, online

H.-P. Steinrück

Surface Science of complex molecular systems

Topic talk at the General Assembly of the Collaborative Research Centre (CRC) 1415 “Chemistry of Synthetic Two-Dimensional Materials”, TU Dresden, 13.12.2021, online

2022

H.-P. Steinrück

Surface chemistry of complex molecular systems - from energy storage molecules to supported graphene

State Key Laboratory of Advanced Technology for Material Synthesis and Processing, Wuhan University of Technology, China, 11.01.2022, online

H.-P. Steinrück

In situ Metallation of Porphyrins on metal and oxide surfaces

University of Pittsburgh, USA, 21.02.2022, online

H.-P. Steinrück

On the interaction of ionic liquids with single crystal surfaces

263. ACS Meeting, Symposium on "Surface Chemistry", San Diego, USA, 20.-24.03.2022, online

H.-P. Steinrück

Ionic Liquid Surface Science

11th Brazilian-German Brazilian Workshop, Manaus, Brazil, 19.-24.04.2022

H.-P. Steinrück

Insights in the liquid-solid interface of supported ionic liquids

9th Irsee Symposium, Bad Irsee, Germany, 16.-19.06.2022

H.-P. Steinrück

Fundamental Aspects of Ionic Liquid Interfaces

Plenary Lecture, YOURHETCAT 2022, 1st Forum of Young Researchers on Heterogeneous Catalysis, Szeged, Hungary, 11.-13.7.2022

Surface Science of Complex Molecular Systems

Keynote Lecture at the 22nd International Vacuum Congress, Sapporo, Japan, 11.-16.09.2022, online

H.-P. Steinrück

New experimental techniques in ionic liquid surface science

Catalysis Summit, Filzmoos, Austria, 22.-25.9.2022

H.-P. Steinrück

Examples for successful German-Latin America collaborations in fundamental interface science

Humboldt-Kolleg "Expanding the Frontiers of Science: A Transdisciplinary Approach", Montevideo, Uruguay, 27.-29.10.2022

H.-P. Steinrück

Mobility and reactivity of porphyrins on metal surfaces

Campinas University, Brazil, 31.10.2022

H.-P. Steinrück

Tailoring Mobility and Reactivity of Porphyrins on Metal Surfaces

FUNSOM International Forum, Institute of Functional Nano & Soft Materials (FUNSOM), Soochow University, China, 15.11.2022, online

2023

H.-P. Steinrück

Molecules in Energy Storage and Release – A Surface Science Perspective

Bunsentagung, Berlin, 05.-07.06.2023

H.-P. Steinrück

Porphyrin adsorption on metal and oxide surfaces - a surface science perspective

State Key Laboratory of Advanced Technology for Material Synthesis and Processing, Wuhan University of Technology, 17.7.2023, online

H.-P. Steinrück

Mobility and reactivity of porphyrins on metal surfaces

ACS-Meeting, Symposium in Honor of Cynthia M. Friend, San Francisco, USA, 13.-17.8.2023

H.-P. Steinrück

Energy Storage in Molecules – A Surface Science Perspective

Forum on Green Catalysis Utilizing and Producing Renewable Energies at the 25th Annual Meeting of the Chinese Association of Science and Technology, Hefei, China, 21.-23.10.2023

H.-P. Steinrück

Tailoring the mobility and reactivity of porphyrins on metal surfaces

University of Science and Technology of China (USTC), Hefei, China, 26.10.2023

H.-P. Steinrück

Energy Storage in Molecules - Fundamental Surface Science Studies

Sochoow University, Suzhou, China, 30.10.2023

H.-P. Steinrück

Energy Storage in Molecules - Fundamental Surface Science Studies

Suzhou Institute of Nano-Tech and Nano-Bionics (SINANO) of the Chinese Academy of Sciences (CAS), Suzhou, China, 30.10.2023

2024

H.-P. Steinrück

Molecular level insights into the properties of ionic liquid-modified Pt(111) surfaces

ACS-Meeting, Symposium "Gabor A. Somorjai Award to Prof. Charlie Campbell for Creative Research in Catalysis", New Orleans, USA, 17.-21.03.2024

H.-P. Steinrück

The buoy effect - surface enrichment of Pt complexes in ionic liquid solutions by ligand design

ACS-Meeting, Symposium "Physical Chemistry of Ionic Liquids", New Orleans, USA, 17.-21.03.2024

H.-P. Steinrück

Ionic liquid interfaces

State Key Laboratory of Advanced Technology for Material Synthesis and Processing, Wuhan University of Technology, China, 06.05.2024, online

H.-P. Steinrück

Surface Modification by Ionic Liquids

Autumn Meeting of the Brazilian Physical Society, Florianopolis, Brazil, 19.-23.05.2024

H.-P. Steinrück

Surface enrichment of Pt complexes in ionic liquid solutions - The buoy effect

10th Irsee Symposium, Irsee, Germany, 06.-09.06.2024

H.-P. Steinrück

Modification of the surface properties of a Pt(111) surface by ionic liquids

17th European Vacuum Conference (EVC-17) and 37th European Conference on Surface Science (ECOSS-37), Harrogate, UK, 17.-21.06.2024

H.-P. Steinrück

News from ionic liquid interfaces

Catalysis Summit, Filzmoos, Austria, 26.-29.09.2024

H.-P. Steinrück

The Power of XPS - An Introductory Lecture

Soochow University, China, 12.10.2024

H.-P. Steinrück

Interface studies of ionic liquids by lab-based X-ray photoelectron spectroscopy

Keynote Lecture at the "First hard X-ray photoemission spectroscopy conference", Shanghai Synchrotron Radiation Facility (SSRF), China, 12.-13.10.2024

H.-P. Steinrück

Fundamental insights into ionic liquid interfaces

University of Science and Technology of China (USTC), Hefei, China, 14.10.2024

H.-P. Steinrück

Surface Science studies of ionic liquid interfaces

Soochow University, China, 18.10.2024

H.-P. Steinrück

Molecules in Energy Storage and Release – A Surface Science Perspective

Opening Plenary Lecture, 10th Argentinian Meeting on Physics and Chemistry of Surfaces (X- EFQS), Bariloche, Argentina, 06.-08.11.2024

2025

H.-P. Steinrück

Tailoring the enrichment of metal complexes at ionic liquid surfaces

ACS-Meeting, San Diego, USA, 23.-27.03.2025

H.-P. Steinrück

Tailoring the surfaces of ionic liquids - the buoy concept

University of California, Riverside, USA, March 2025

H.-P. Steinrück

Studying the surfaces of liquids

Symposium in the honor of the 90th birthday of Professor Dietrich Menzel, Munic, Germany, 30.04.2025

H.-P. Steinrück

How to tailor the surface enrichment of metal complexes in ionic liquids

12th Brazilian-German Workshop, Oberstdorf, Germany, 22.-26.09.2025

H.-P. Steinrück

Porphyrins on Cu surfaces: Self-metalation of tetraphenyltrans-dibenzoporphyrins on Cu(111)

Catalysis Summit, Gsengalm, Filzmoos, Austria, 25.-28.09.2025

H.-P. Steinrück

Self-metalation of tetraphenyltrans-dibenzoporphyrins on Cu(111)

Winterschool, Research Training Group "Planar Carbon Lattices", RTG 2861, Bad Staffelstein, Germany, 04.11.2024

H.-P. Steinrück

On the modification of surface properties by ionic liquids

International Frontier Forum of Surface Science and Catalysis (Jingzhi Workshop), University of Science and Technology of China (USTC), Hefei, China, 09.11.2025

H.-P. Steinrück

Surface enrichment of metal complexes in ionic liquids

Shanghai Tech Forum of Surface Science and Catalysis, Shanghai, China, 12.-15.11.2025

H.-P. Steinrück

Growth and Layer Exchange of Ionic Liquids on Solid Surfaces

Soochow University, China, 17.11.2025

H.-P. Steinrück

Tailoring mobility and reactivity of porphyrins on surfaces

Suzhou Institute of Nano-Tech and Nano-Bionics (SINANO) of the Chinese Academy of Sciences (CAS),
Suzhou, China, 19.11.2025

H.-P. Steinrück

Tailoring mobility and reactivity of porphyrins on surfaces

State Key Laboratory of Advanced Technology for Material Synthesis and Processing, Wuhan University of
Technology, China, 09.12.2025, online