

# 8<sup>th</sup> Brazilian-German Workshop on Applied Surface Science (Bamberg, 15.-20.9.2013)

## Monday, 16.9.2013

9:30	<b>Prof. Dr. Hans-Peter Steinrück</b> – opening
9:45	<b>Prof. Dr. Roberto Bechara Muniz</b> , UFF, Niterói <i>"Spin dynamics of itinerant electron ferromagnetic nanostructures"</i> .
10:30	COFFEE
11:00	<b>Prof. Dr. Karsten Horn</b> , Fritz-Haber-Institut, Berlin <i>"Epitaxial graphene and its electronic structure"</i> .
11:45	<b>Prof. Dr. Abner de Siervo</b> , UNICAMP, Campinas <i>"On the electronic and magnetic properties of Co on Graphene/SiC(0001)"</i> .
12:30	LUNCH
14:15	<b>Prof. Dietrich Menzel</b> , TU München <i>"Ultrafast charge transfer at graphene monolayers on differently coupled substrates"</i> .
14:35	<b>Prof. Dr. Edmar Avellar Soares</b> , UFMG, Belo Horizonte <i>"Structural and electronic properties of Graphene-covered metal monolayers on Ni(111)(1x1)"</i> .
14:55	<b>Prof. Dr. Martin Weinelt</b> , Freie Universität Berlin <i>"Femtomagnetism of lanthanide thin films"</i> .
15:40	<b>Mrs. Kenia Novakoski Fischer</b> , MPI of Microstructure Physics, Halle <i>"Epitaxial growth of Fe on Ag(001) revisited: Stress signatures of interfacial intermixing and epitaxial film growth"</i> .
16:00	COFFEE
16:35	<b>Prof. Dr. Gabriel Vieira Soares</b> , UFRGS, Porto Alegre <i>"Thermal stability of dielectrics on germanium: role of the substrate"</i> .
17:20	<b>Prof. Dr. Michael Grunze</b> , Universität Heidelberg <i>"Melanosomes in real and Fourier space: biointerphase science at the resolution limit"</i> .
18:05	<b>Mr. Diogo Reis</b> , UFMG, Belo Horizonte <i>"Determination of the Surface Atomic Structure of the Topological Insulators Bi<sub>2</sub>Se<sub>3</sub> and Bi<sub>2</sub>Te<sub>3</sub> by Low Energy Electron Diffraction"</i> .
19:00	DINNER

## Tuesday, 17.9.2013

9:00	<b>Prof. Dr. Luiza Rocco</b> , UFRJ, Rio de Janeiro <i>"Ultrafast charge transfer in poly(thiophene) probed by resonant Auger spectroscopy"</i> .
9:45	<b>Prof. Dr. Christof Wöll</b> , Karlsruhe Institute of Technology (KIT) <i>"Interfacial Systems Chemistry: Surface templated assembly of three-dimensional functional frameworks"</i> .
10:30	COFFEE
11:00	<b>Mr. Shadi Fatayer</b> , UNICAMP, Campinas <i>"Metal-Tetraphenyl porphyrins in vicinal gold: a STM and XPS study"</i> .
11:20	<b>Dr. Hubertus Marbach</b> , Universität Erlangen-Nürnberg. <i>"Towards room temperature switching of individual molecules"</i> .
11:40	<b>Prof. Dr. Roberto Paniago</b> , UFMG, Belo Horizonte <i>"Structure and magnetism of ultra-thin Fe<sub>3</sub>O<sub>4</sub> investigated by surface science techniques"</i> .
12:30	LUNCH
14:15	<b>Dr. Andreas Heinrich</b> , IBM, San Jose, CA, USA <i>"The quantum and classical properties of spins on surfaces"</i> .
15:00	<b>Prof. Dr. Jürgen Kirschner</b> , MPI für Mikrostrukturphysik, Halle <i>"Experiments on the exchange-correlation hole in the near-surface region"</i> .
15:45	<b>Dr. Thomas Stempel Pereira</b> , SPECS Surface Nano Analysis GmbH <i>"State-of-the art ARPES: new concepts for analyzers and excitation sources"</i> .
16:05	COFFEE & POSTER SESSION
18:00	<b>SHORT GUIDED TOUR THROUGH BAMBERG &amp; FRANCONIAN DINNER</b>

**Wednesday, 18.9.2013**

9:00	<b>Prof. Dr. Paulo B. Miranda</b> , USP, São Carlos <i>"Nonlinear vibrational spectroscopy of interfaces: applications to electrocatalysis and Layer-by-Layer polymer films"</i> .
9:45	<b>Prof. Dr. Timo Jacob</b> , Universität Ulm <i>"Modeling Electrochemical Systems: From Fundamentals to Batteries"</i> .
10:30	COFFEE
11:00	<b>Mr. Eduardo Pitthan</b> , UFRGS, Porto Alegre <i>"SiO<sub>2</sub> films on 4H-SiC: reducing interface electrical degradation due to thermal oxidation"</i> .
11:20	<b>Dr. Sergey Levchenko</b> , Fritz-Haber-Institut der MPG <i>"Multiscale modeling of point defects at metal-oxide surfaces: Case study of MgO (100)"</i> .
11:40	<b>Prof. Dr. Carlos F. O. Graeff</b> , UNESP, Bauru <i>"Electrically Detected Magnetic Resonance – basic concepts and applications"</i> .
12:30	LUNCH
13:30	<b>CONFERENCE EXCURSION &amp; CONFERENCE DINNER</b>

**Thursday, 19.9.2013**

9:00	<b>Prof. Dr. Katharina Al Shamery</b> , Universität Oldenburg <i>"Elementary processes at nanostructured (photo)catalysts"</i> .
9:45	<b>Prof. Dr. Daniela Zanchet</b> , UNICAMP, Campinas <i>"In situ characterization of catalysts for hydrogen production"</i> .
10:30	COFFEE
11:00	<b>Prof. Fabiano Bernardi</b> , UFRGS, Porto Alegre <i>"H<sub>2</sub> reduction reaction of Cu<sub>x</sub>Ni<sub>1-x</sub>/CeO<sub>2</sub> (x=0, 0.5, 1) nanoparticles"</i> .
11:20	<b>Mr. Christopher Penschke</b> , Humboldt-Universität Berlin <i>"Au adsorption on oxygen defective CeO<sub>2</sub>(111) studied by density functional theory"</i> .
11:40	<b>Dr. Katrin Winkler</b> , DFG (German Science Foundation) <i>"Information on DFG and DAAD programs concerning Brazilian-German projects"</i> .
12:30	LUNCH
14:15	<b>Prof. Dr. Martin Stutzmann</b> , Walter Schottky Institut, TU München <i>"Electronic control of catalysis on wide-gap semiconductors"</i> .
15:00	<b>Prof. Dr. Ado Jório</b> , UFMG, Belo Horizonte <i>"Raman Spectroscopy Analysis of Graphene-Related Systems"</i> .
15:45	<b>Dr. Fernando Stavale</b> , CBPF, Rio de Janeiro <i>"Revealing the optical properties of intrinsic defects in crystalline ZnO films"</i> .
16:05	COFFEE & <b>POSTER SESSION</b>
19:00	DINNER

**Friday, 20.9.2013**

9:00	<b>Prof. Dr. Jürgen Behm</b> , Universität Ulm <i>"Bimetallic Catalysis: Trends in the Chemistry of Bimetallic Surfaces"</i> .
9:45	<b>Jeison Fischer</b> , MPI of Microstructure Physics, Halle <i>"Superparamagnetic Response of Fe-coated W Tips in Spin-polarized Scanning Tunneling Microscopy"</i> .
10:05	<b>Dr. Christian Papp</b> , Universität Erlangen-Nürnberg. <i>"Growth and Doping of Graphene"</i> .
10:30	COFFEE
11:00	<b>Prof. Dr. Waldemar A. A. Macedo</b> , CDTN, Belo Horizonte <i>"Influence of magnetic annealing and interdiffusion on the exchange bias of CoFe/IrMn layered nanostructures"</i> .
11:20	<b>Prof. Dr. Hans-Joachim Freund</b> , Fritz-Haber-Institut, Berlin <i>"From pure metal supported oxide films to two-dimensional zeolite films"</i> .
12:05	<b>Prof. Dr. Hans-Peter Steinrück</b> – concluding remarks
12:30	LUNCH