

Program Overview

Program Overview

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INVITED LECTURES

ORAL PRESENTATIONS

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## Program Overview: Sunday, 21 June 2015

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16:00 Bus to Trzebnica

16:00 Registration

18:00 Supper

20:00 Get-together

## Program Overview: Monday, 22 June 2015

7:30	Breakfast	
8:45	Workshop Opening	
9:00	<b>Johannes V. Barth</b> <i>Design and Manipulation of Functional Molecular Nanosystems at Interfaces</i>	2
9:50	<b>Szymon Godlewski</b> <i>Interaction of Molecules with Single Atoms on Hydrogenated Semiconductors</i>	7
10:40	<b>Sabine Maier</b> <i>Steering the Self-Assembly of Bridged Triphenylamines on KBr(001)</i>	29
11:05	Coffee Break	
11:35	<b>Yuri Suchorski</b> <i>Visualizing Local Reaction Kinetics: Hydrogen Oxidation on Rhodium</i>	41
12:00	<b>Sten V. Lambeets</b> <i>CO<sub>2</sub> Hydrogenation on Rhodium Surfaces: A Study by Field Emission Techniques</i>	28
12:25	<b>Florian Albrecht</b> <i>Identification of an On-Surface Reaction Pathway by Means of Atomic Force Microscopy</i>	16
13:00	Lunch	
14:30	<b>Ulrike Diebold</b> <i>Atomic-Scale Studies of Metal Oxide Surfaces</i>	4
15:20	<b>Tomasz Ossowski</b> <i>Theoretical Study of Oxygen Adsorption on Iron (110) Surface</i>	34
15:45	<b>Tomasz Pabisiak</b> <i>Theoretical Investigation of Au Nanostructures on Hematite (0001) Surface</i>	35
16:10	Coffee Break	
16:40	<b>Alexander Schneider</b> <i>Adsorption of Organic Molecules on Thin Cobalt Oxide Films</i>	39
17:05	<b>Ireneusz Piwoński</b> <i>The Photocatalytic Growth of Silver Nanoparticles on Titanium Dioxide Coatings</i>	36
17:30	<b>Dominik Wrana</b> <i>Para-Hexaphenyl as a Molecular Sensor of TiO<sub>2</sub>(110) Surface Quality: Influence of Ion Beam Irradiation and Air Passivation of Substrate Surface</i>	45
17:55	<b>Łukasz Skowroński</b> <i>Interference TiO<sub>x</sub>/Ti/TiO<sub>x</sub>/Glass Systems Produced in the Industrial Scale Using GIMS Method</i>	40
18:30	Supper	
20:00	Poster Session	

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## Program Overview: Tuesday, 23 June 2015

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7:30	Breakfast	
9:00	<b>Leo Gross</b> <i>Atomic-Scale Investigations with Kelvin Probe Force Microscopy</i>	8
9:50	<b>Matthew F.B. Green</b> <i>Scanning Quantum Dot Microscopy</i>	21
10:15	<b>Prokop Hapala</b> <i>Understanding High Resolution STM, AFM and IETS Imaging with Minimalistic Models</i>	22
10:40	<b>Krzysztof Kośmider</b> <i>Sensing the Charge State of Au at the CeO<sub>2</sub>(1 1 1) Surface</i>	26

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11:05	Coffee Break	
11:35	<b>Katharina J. Franke</b> <i>Spin Excitations in Single Molecules on Metals and Superconductors</i>	5
12:25	<b>Juan J. de Miguel</b> <i>Enantiospecific Spin Polarization of Electrons Photoemitted through Layers of Homochiral Organic Molecules</i>	30

## ORAL PRESENTATIONS

13:00	Lunch	
14:30	<b>Alexandre Tkatchenko</b> <i>The Many-Body Path towards Quantitative Modeling of Complex Adsorption Systems</i>	12
15:20	<b>Rafael L.H. Freire</b> <i>Strain Effects on Properties of Water and Ethanol Adsorbed on Transition Metal Substrates</i>	20
15:45	<b>Lucía Rodrigo</b> <i>Study of the Substrate Influence on the Properties of Physisorbed Self-Assembled Molecular Layers: Azabenzene 1,3,5-Triazine on Graphite and...</i>	38
16:10	Coffee Break	
16:40	<b>Barbara J. Garrison</b> <i>Molecular Dynamics Simulations: The Theoretical Partner to Cluster and Dynamic SIMS Experiments</i>	6

## POSTER PRESENTATIONS

17:30	<b>Jacek J. Kołodziej</b> <i>A Study of the Two Dimensional Electron Gas at the InAs(001) Surfaces</i>	24
17:55	<b>Natalia Olszowska</b> <i>Two-Dimensional Dielectric on a Semiconductor</i>	33
19:00	Workshop Dinner	

## Program Overview: Wednesday, 24 June 2015

7:30	Breakfast	
9:00	<b>Héctor Vázquez</b> <i>Chemical Linkers, Quantum Interference and Other Effects in Single Molecule Circuits: Insight from First Principles</i>	13
9:50	<b>Harold J.W. Zandvliet</b> <i>Molecular Electronics: Single Molecule Devices</i>	14
10:40	<b>Giuseppe Foti</b> <i>Investigating Intra-Molecular Contributions to the Inelastic Electron Tunneling Signal in Conjugated Molecular Junctions</i>	19
11:05	Coffee Break	
11:35	<b>Mariusz Krawiec</b> <i>Au and Si Spin Chains on a Vicinal Si(553) Surface</i>	27
12:00	<b>Paweł Nita</b> <i>STM Studies on C<sub>60</sub> Molecules Growth on Vicinal Si(553) Surface Passivated with Pb</i>	32
12:25	<b>Elwira Wachowicz</b> <i>Clean and Adsorbed 4H-SiC{0001} Surfaces: A DFT Study</i>	44
13:00	Lunch	
14:30	<b>José Ortega</b> <i>Reversible Phase Transitions and Dynamical Fluctuations on Semiconductor Surfaces</i>	11
15:20	<b>Ryszard Zdyb</b> <i>Spin-Polarized Photoemission from Ultrathin Ag Films on Si(111)</i>	46
15:45	<b>Marek Kopciuszynski</b> <i>Quasi 1D Lead Ribbons on the Si(110) Surface</i>	25
16:10	Coffee Break	
16:40	<b>Nian Lin</b> <i>Create and Manipulate Quantum States on Surface Using Molecules</i>	9
17:30	<b>Kathrin Müller</b> <i>Planarized Cyano-Functionalized Triarylamines on Coinage Metal Surfaces: Intermolecular vs. Molecule/Substrate Interactions</i>	31
17:55	<b>Patricia A. Thiel</b> <i>Self-Organization of S Adatoms on Au(111): <math>\sqrt{3}R30^\circ</math> Rows at Low Coverage</i>	42
18:20	<b>Grażyna Antczak</b> <i>Translation and Rotation in the Surface Diffusion of Cobalt Phthalocyanine on Ag(100)</i>	17
19:00	Barbecue Supper	

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## Program Overview: Thursday, 25 June 2015

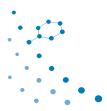
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10:40	<i>Izabela Cebula</i> <i>Molecular Structure Transformation at the Liquid-Solid Interface</i>	18
11:05	Coffee Break	
11:35	<i>Maciej Jankowski</i> <i>The Growth and Structure of the Ag/Pt(1 1 1) Surface-Confined Alloy Investigated with SPA-LEED and LEEM</i>	23
12:00	<i>Rafał Topolnicki</i> <i>On the Formation of Two-Dimensional Alloys of Sn and Pb Coadsorbed on Ru(0001)</i>	43
12:25	<i>Agata Podsiadły-Paszowska</i> <i>Silicene on Ultrathin Pb Films</i>	37
12:50	Workshop Closing	
13:00	Lunch	
14:00	Bus to Wrocław	

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## Program Overview

# Poster Session Overview

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*Refreshments during Poster Session  
sponsored by Scienta Omicron*

## Program Overview: Poster Session

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