

Summer School on Interfaces and Energy

September 04-09, 2016, Göttingen, Germany

Poster Session 1

Tuesday, starting 21.00

- P1-01** *Photoinduced electron transfer in donor-acceptor coordination cages investigated by time-resolved spectroscopy*, **Jennifer Ahrens**, Max Planck Institute for Biophysical Chemistry, Göttingen, Germany
- P1-02** *Ab initio molecular dynamics simulations of CO and NO scattering from Au(111)*, **Jan Altschäffel**, Max Planck Institute for Biophysical Chemistry, Göttingen, Germany
- P1-03** *Interaction of hydrogen with titanium-dioxide/palladium bilayers studied by HR-STEM EELS*, **Marian Bongers**, Institut für Materialphysik, University Göttingen, Germany
- P1-04** *Dispersed laser-induced infrared fluorescence from monolayer CO on NaCl(100)*, **Li Chen**, Max Planck Institute for Biophysical Chemistry, Göttingen, Germany
- P1-05** *Inelasticity in Hydrogen atom scattering from surfaces: A Probe for energy conversion*, **Yvonne Dorenkamp**, Institute for Physical Chemistry, University Göttingen, Germany
- P1-06** *H₂ detection by Scanning Electrochemical Microscopy for water splitting application*, **Eleonora Frau**, École Polytechnique Fédérale de Lausanne, Switzerland
- P1-07** *Probing the reactive transition state: vibrational excitation and activated dissociation of HCl on Au(111)*, **Jan Geweke**, Institute for Physical Chemistry, University Göttingen, Germany
- P1-08** *Vibrational bond selectivity in methane chemisorption: Controlled cleavage of C-H and C-D bonds*, **Ana Gutierrez Gonzales**, École Polytechnique Fédérale de Lausanne, Switzerland
- P1-09** *Surface Scattering using Velocity Controlled Molecular Beams of Metastable Carbon Monoxide*, **Niklas Henning**, Institute for Physical Chemistry, University Göttingen, Germany
- P1-10** *Reactivity of Metal-Organic Networks for CO₂ and O₂ activation*, **Daniel Hurado Salinas**, École Polytechnique Fédérale de Lausanne, Switzerland
- P1-11** *Programmable chiral nanocolloids*, **Hyeon-Ho Jeong**, Max Planck Institute for Intelligent Systems, Stuttgart, Germany
- P1-12** *Independent-Electron Surface Hopping Study of the Nonadiabatic Energy Transfer at Scattering NO Molecule from a Au(111) Surface*, **Alexander Kandratsenka**, Max Planck Institute for Biophysical Chemistry, Göttingen, Germany

- P1-13** *What can rotational state distributions tell us about molecule-surface interactions?*, **Bastian Krüger**, Institute for Physical Chemistry, University Göttingen, Germany
- P1-14** *Time resolved studies of vibrational relaxation dynamics of small physisorbed molecules on noble metal surface*, **Sumit Kumar**, Max Planck Institute for Biophysical Chemistry, Göttingen, Germany
- P1-15** *Controlling intramolecular Hydrogen-transfer by Gate-tunable STM*, **Shai Mangel**, Max Planck Institute for Solid State Research, Stuttgart, Germany
- P1-16** *H₂O on hydroxylated α -Al₂O₃(0001): Structural Properties and Vibrational Dynamics*, **Giacomo Melani**, Fritz-Haber Institut Berlin, Germany
- P1-17** *Temperature programmed desorption of weakly bound adsorbates*, **Artur Meling**, Institute for Physical Chemistry, University Göttingen, Germany
- P1-18** *A test system for vibrational pumping of molecules using a tunable CW Mid-infrared OPO laser*, **Sven Meyer**, Institute for Physical Chemistry, University Göttingen, Germany

Poster Session 2

Wednesday, starting 21.00

- P2-01** *Instrumental setup to investigate an CO₂ hydrogenation mechanism*, **Robin Mutschler**, École Polytechnique Fédérale de Lausanne, Switzerland
- P2-02** *Binary component self-assembled monolayers on flat surfaces. Formation and analysis of surface morphologies*, **Nikolaos Nianias**, École Polytechnique Fédérale de Lausanne, Switzerland
- P2-03** *Scattering of formaldehyde from the Au(111) surface*, **Barratt Park**, Institute for Physical Chemistry, University Göttingen, Germany
- P2-04** *Transition Metal Dichalcogenides as Catalysts on p-Silicon Photocathodes for Solar Hydrogen Production*, **Filip Podjaski**, Max Planck Institute for Solid State Research, Stuttgart, Germany
- P2-05** *Electrocatalytic redox processes of oxides in aqueous media probed by operando X-ray absorption spectroscopy*, **Marcel Risch**, Institut für Materialphysik, Universität Göttingen, Germany
- P2-06** *Nanoscale imaging of localized electronic states responsible for light emission in C₆₀ films*, **Anna Roslowska**, Max Planck Institute for Solid State Research, Stuttgart, Germany
- P2-07** *Benchmark studies and conformational search of peptide-cation systems*, **Markus Schneider**, Fritz-Haber Institut Berlin, Germany

- P2-08** *Rotating Ring Disk Study of Oxygen Evolution at a Perovskite Surface: Correlating Activity to Manganese Concentration*, **Julius Scholz**, Institut für Materialphysik, University Göttingen, Germany
- P2-09** *Femtosecond-laser induced dynamics of CO on Ru(0001): New insights from a hot-electron, electronic friction model including surface motion*, **Robert Scholz**, University Potsdam, Germany
- P2-10** *Study of surface photochemistry using a local excitation scanning tunneling microscope*, **Benjamin Schröder**, IV. Physical Institute, University Göttingen, Germany
- P2-11** *Adsorption of Surfactants at Mineral Surfaces*, **Mohamad Shoaib**, Petroleum Institute Abu Dhabi, United Arab Emirates
- P2-12** *Associative Desorption of Hydrogen from Metal Surfaces*, **Quan Shuai**, Max Planck Institute for Biophysical Chemistry, Göttingen, Germany
- P2-13** *CO₂ Sequestration on Self-Assembled Bacterial Surface Layers*, **Bart Stel**, École Polytechnique Fédérale de Lausanne, Switzerland
- P2-14** *Towards scattering excited CO at metal surfaces using velocity controlled molecular beams*, **Roman Wagner**, Institute for Physical Chemistry, University Göttingen, Germany
- P2-15** *Spectroscopy of Methane scattered from Ni(111) using Bolometric Detection and IR Laser Tagging*, **Jörn Werdecker**, École Polytechnique Fédérale de Lausanne, Switzerland
- P2-16** *Surface structure-tuning CO electrocatalytic reduction*, **Kun Zhao**, École Polytechnique Fédérale de Lausanne, Switzerland
- P2-17** *Scattering of NO and CO from CVD Vanadium dioxide surfaces*, **Artur Meling**, Institute for Physical Chemistry, University Göttingen, Germany