6th Annual APXPS Workshop

Tuesday 10 December 2019

Contributed: Slavomír Nemšák - Multimodal approach simultaneously probes structure and chemistry - Palaestra et Odeum (15:20-15:40)

Contributed: Georg Held - Depth Profiling of Catalyst Nanoparticles - Palaestra et Odeum (15:40-16:00)

Contributed: Andreas Thissen - Chemical reactions, corrosion and electrochemistry at solid-liquid interfaces–routine operando studies with Near Ambient Pressure XPS - Palaestra et Odeum (17:00-17:20)

Contributed: Patrick Zeller - Spatially resolved XPS measurements of the oxidation and reduction dynamics of polycrystalline transition metals - Palaestra et Odeum (17:20-17:40)

Contributed: Lars-Åke Näslund - The magnesium assisted oxide break-up kinetics at flux-free brazing of aluminium alloy materials - Palaestra et Odeum (17:40-18:00)

Wednesday 11 December 2019

Contributed: Lorenz J. Falling - The electronic structure of electrochemical interfaces at equilibrium and the gain from transient experiments - Palaestra et Odeum (09:50-10:10)

Contributed: Kuno Kooser - Operando HT-NAP-XPS and impedance spectroscopy study of Ni-Ce0.9Gd0.1O2-δ solid oxide fuel cell anode - Palaestra et Odeum (11:20-11:40)

Contributed: Simon Pitscheider - Towards the mechanistic interpretation of the oxygen exchange reactions on La0.58Sr0.4Co0.2Fe0.8O3-δ thin film electrodes - Palaestra et Odeum (11:40-12:00)

Contributed: Benjamin Hagman - Dissociative adsorption of CO2 on Cu-surfaces - Palaestra et Odeum (13:40-14:00)

Contributed: Liping Zhong - Using NAP-XPS to identify the optimum surface state of cobalt catalysts for CO preferential oxidation in H2-rich feedstock - Palaestra et Odeum (14:00-14:20)

Contributed: Marie Døvre Strømsheim - Investigations of the surface dynamics of Pd-alloy surfaces under oxidation reactions - Palaestra et Odeum (14:20-14:40)

Contributed: Kræn C. Adamsen - Combined UHV-STM and AP-XPS study of Selective Catalytic Reduction (SCR) of NOx over a VOx/TiO2 based catalyst - Palaestra et Odeum (15:40-16:00)

Contributed: Zongfang Wu - APXPS Study of Propylene Oxidation over Cu2O Surfaces - Palaestra et Odeum (16:00-16:20)

Contributed: Ashley R. Head - Chemical Warfare Agent Simulants and Atmospheric Gases: Adsorption Battles in Gas Filtration - Palaestra et Odeum (16:20-16:40)

Contributed: Lindsay R. Merte - Surface composition of Pt3Sn(111) during CO oxidation - Palaestra et Odeum (16:40-17:00)

Thursday 12 December 2019

Contributed: Shuzhen Chen - Effect of a cationic surfactant on the interfacial structure of bromide oxidation by ozone - Palaestra et Odeum (09:40-10:00)

Contributed: Robert Seidel - Photoemission Spectroscopy from Metal-oxide / Aqueous Solution Interfaces - Palaestra et Odeum (10:00-10:20)

Contributed: François Rochet - Electronic level alignment between a metal electrode and a solution with a known redox potential: a liquid-jet XPS study at Pleiades beamline (SOLEIL) - Palaestra et Odeum (10:50-11:10)

Contributed: Sabrina M. Gericke - Characterization of Model Desalination Membranes by Ambient PressurePhotoelectron Spectroscopy - Palaestra et Odeum (11:10-11:30)

Contributed: Hendrik Bluhm - Increased Reactivity of Subsurface Hydrogen Probed ina Membrane Reactor Cell by APXPS - Palaestra et Odeum (11:30-11:50)

Contributed: Giulio D'Acunto - ALD of HfO2 on InAs: new insight by time-resolved in situ studies - Palaestra et Odeum (14:30-14:50)

Contributed: Evgeniy A. Redekop - Pt-Cu nanoparticles on 2D and 3D supports: an AP-XPS/TAP study - Palaestra et Odeum (15:50-16:10)

Contributed: Ethan J. Crumlin - Combining Theory with Experiments to Unravel Silver Interacts with Carbon Dioxide and Water - Palaestra et Odeum (16:10-16:30)

Contributed: Frederic Sulzmann - Oxygen on silver and their role in methanol oxidation - Palaestra et Odeum (16:30-16:50)

Contributed: Zbynek Novotny - Oxidation of Ir(001) towards IrO2 studied by ambient-pressure X-ray photoelectron spectroscopy - Palaestra et Odeum (16:50-17:10)

Contributed: Ki-jeong Kim: APXPS20 - Palaestra et Odeum (17:10-17:30)