



Interfaces in electro chemistry, corrosion and solution based self assembly

Thursday, 30. 01. 2020

SemR. 109, Bldg. 25b

The goal of this meeting is to elucidate the role of interfaces in the fields of electrochemistry, corrosion and solution based self assembly, with special focus on their investigation by state-of the art x-ray diffraction and spectroscopy, as well as complementary methods. The DESY NanoLab opens a new electrochemistry and liquid interfaces lab for DESY Photon Science users, which will be presented during the workshop. Among a number of invited talks, interested participants is given to opportunity to present their work.

Organisers: Andreas Stierle, Olaf Magnussen, Bridget Murphy

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PROGRAMME

14:00	Introduction	Andreas Stierle	DESY, FS-NL
14:05	Operando Insight into Structure, Composition and Reactivity Correlations in the Electrochemical Reduction of CO ₂	Beatriz Roldan	FHI Berlin
14:35	Electrochemical surface science of platinum	Marc T.M. Koper	Leiden University
15:05	In-Situ Stability Studies of IrO ₂ -based model Electrodes under OER Conditions	Herbert Over	Universität Gießen
15:45	The brightest Au(111) surface	Edvin Lundgren	Lund University
15:30-16:10	Coffee break (30 Min.)		
16:10	Observing Pt(111) under operando oxygen reduction and evolution conditions	Leon Jacobse	DESY FS-NL
16:30	Passive film on super duplex stainless steel and its electrochemical stability studied by synchrotron X-ray technique	Jinshan Pan	KTH Stockholm
16:50	Inspirations from interface and corrosion science: Strategies toward design of interface-controlled materials	Nadiia Mameka	HZG
17:20	Understanding liquid structure and dynamics interfaces at LISA	Bridget Murphy	Universität Kiel
17:40	In situ study of the formation mechanism of two-dimensional superlattices from PbSe nanocrystals	Oleg Konovalov	ESRF
18:10	Layer by layer growth of semiconductor thin films: an operando SXRD study	Francesco Karla	Diamond Light Source
18:30	End of the workshop		