

EcatalytiX-II Preliminary Program

Wednesday 8th			Thursday 9th			Friday 10th		
Session	Time	Activity	Session	Time	Activity	Session	Time	Activity
	09:00	Welcome		09:00	Welcome		09:00	Welcome
(#1) Recent Developments in Operando Electro catalysis	09:10	IT1 - Elena R. Savinova 'Chasing Reaction Intermediates with Operando Spectroscopies'		09:10	IT3 - Jakub Drnec 'Reliable, Reproducible and Automated Operando Electro catalysis Methodologies at Fourth-Generation Synchrotrons'		09:10	IT5 - Vasiliki Tileli 'Cryogenic and Liquid-Phase Electron Microscopy for Electro catalytic Materials'
	09:50	OC1 - Meryem Ennaji 'Stabilization of IrCu Aerogel Catalyst for PEMWE from Operando X-ray Total Scattering-PDF Analysis to Flash Heat Treatments'	(#3) At the Frontiers of Operando Electro catalysis	09:50	OC7 - Paul Chassagne 'Mapping the pH in the Local Reaction Environment using Operando Fluorescence Confocal Microscopy'	(#4) Lab-Scale Operando Electro catalysis	09:50	OC15 - Nathaly Ortiz Peña 'Hydrogen Evolution Reaction on Pt Nano-Aggregates by Correlative Multiscale Microscopies'
	10:10	OC2 - Mathias Hommelgaard 'Improvements in Operando EC-APXPS Flow Cell Method for Ir-based OER Catalysts'		10:10	OC8 Lars Pötters - 'Understanding The Urea Oxidation Reaction on Nickel Oxides by Electrochemistry and In Situ Photocurrent and Reflectivity Measurements'		10:10	OC15 - Leonard Moriau 'Investigation of IrO2 and Ir Electro catalysts During OER by In Situ Raman Spectroscopy'
	10:30	Coffee break		10:30	Coffee break		10:30	Coffee break
11:00	ET1 - Andrey Shavorskiy - 'Kinetics of Electric Double Layer Formation Studied by Operando Dip-and-Pull APXPS'	11:00		ET2 - Bruna Ferreira Gomes 'Probing Competitive Adsorption and Site Blocking in Electro catalysis by Operando Δμ XANES and FEXRAV'	11:00		ET3 - Raphaël Chattot 'Primacy of Lattice Distortion over Strain in Precious Nanoalloys for Oxygen Electro catalysis'	
(#1) Recent Developments in Operando Electro catalysis	11:30	OC3 - Kenneth Crossley 'Examining Local Structure-Activity Relations in Identical Metal Composition OER Catalysts with Operando X-ray Techniques'	(#3) At the Frontiers of Operando Electro catalysis	11:30	OC9 - Romualdus E. Wibowo 'The Effect of O2 on the Cathodic Electrochemically Mediated Amine Regeneration Processes via In Situ Soft and Hard X-ray Absorption Spectroscopy'	(#1) Recent Developments in Operando Electro catalysis	11:30	OC17 - Marc F. Tesch 'Combination of Laboratory- and Synchrotron-Based Potentiodynamic Techniques - Opportunities and Challenges'
	11:50	OC4 - Roxy Lee 'Operando Investigations into Nickel-Based Electro catalysts for Green Hydrogen Production in Alkaline Anion Exchange Membrane Environment'		11:50	OC10 - Petra Khater 'Hydrogen-Driven Phase Transitions in Palladium Nanoparticles Revealed by In Situ BCDI'		11:50	OC18 - Michal Ronovsky 'From Artefacts to Insights: Challenges and Opportunities in Operando NAP-XPS and XRD of IrOx Catalyst Layers in PEMWE'
	12:10	OC5 - Julie Guehl 'From Cradle to Grave – a Venture into The Life of Nickel Nanoparticles as Hydrogen Evolution Reaction Electro catalysts'		12:10	OC11 - Alba Garzón Manjón 'Insights into the Degradation of Metallic Core-Shell Nanoparticles under Fuel Cell Conditions by 3D Identical Location STEM'		12:10	Farewell word
	12:30	Lunch break		12:30	Lunch break			
(#2) Theoretical Approaches in Operando Electro catalysis	14:00	IT2 - Katarina Doblhoff-Dier 'Exploiting Synergies Between Modeling and Experiments to Decipher the Structure of the Electric Double Layer'	(#4) Lab-Scale Operando Electro catalysis	14:10	IT4 - Janis Timoshenko 'Unveiling the Heterogeneous Structures of Electro catalysts with Synchrotron- and Lab-Based Operando XAS and Machine Learning'			
	14:40	OC6 - Cecilia Irène Gho 'Understanding Electrochemical Response of Operando Liquid-Phase TEM Cell Through Multiphysics Modelling'		14:50	OC12 - Tim Welmers 'Ionomer-Electro catalyst Interactions for Fluorine Free Ionomers on Pt Electrodes Using ORR Operando ATR-SEIRAS'			
	15:00	Coffee break		15:10	OC13 - Angelica Chiodoni 'Nanostructured Palladium Electrodes for Reliable Electrochemistry in Liquid-Phase TEM'			
	15:30	Round table #1 - Bridging Theory and Experiments in Operando Electro catalysis		15:30	Coffee break			
	15:30		16:00	Round table #2 - Expanding the Scope of Operando Electro catalysis				
	17:00	Poster session	17:30	Poster prize				
	19:30	end of session	19:30	Gala Dinner				