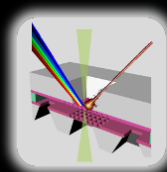


13th Multinational Congress on Microscopy - September 24-29, 2017 in Rovinj, Croatia



Satellite Workshop
**COEX - Combining electrons with X-rays for integrated
in-operando experiments**

Trieste, September 23-24, 2017

Scientific programme

Saturday, September 23rd, 2017

13:30-14:15	Registration
14:15-14:30	Welcome addresses
14:30-15:00	Eric Stach (Department of Materials Science and Engineering, University of Pennsylvania, Philadelphia, USA) <u>Operando and multimodal studies of speciation and activity of Pt catalysts during the hydrogenation of ethylene</u>
15:00-15:30	Eva Olsson (Chalmers University of Technology, Gothenburg, Sweden) In situ electron microscopy - Linking atomic structure to properties
15:30-16:00	Marc George Willinger (Fritz Haber Institute of the Max Planck Society, Berlin, Germany) Oscillatory behavior of active metal catalysts observed by in-situ electron microscopy
16:00-16:30	Sašo Šturm (Jožef Stefan Institute, Ljubljana, Slovenia) Prospects and difficulties of liquid cell transmission electron microscopy at elevated temperatures
16:30-17:00	Coffee break
17:00-17:30	Christian Danvad Damsgaard (TU Lyngby, Denmark) <u>Combining X-ray and Electron Based in situ Characterization of Catalysts</u>
17:30-18:00	Bruno Morana (TUDelft, Delft, The Netherlands) MEMS nanoreactors for in operando TEM and STXM experiments at elevated temperatures and pressures
18:00-18:30	Simone Dal Zilio (CNR-IOM, Trieste, Italy) New frontiers of <i>operando</i> characterization: multiplexing gas cell to combine low voltage STEM and synchrotron spectroscopy
Corporate presentations	
18:30-18:50	Mauro Porcu (DENS solutions) Your TEM sample and DENS Solutions: an exciting and rewarding relationship"
18:50-19:10	Alessio Lombardo (Carl Zeiss SpA) X-Ray & FIB/SEM Microscopy as Innovative Correlative Imaging Techniques
19:30	Dinner

Sunday, September 24th, 2017

9:00-9:30	Axel Knop-Gericke (Fritz Haber Institute of the Max Planck Society, Germany) <u>Ambient Pressure X-ray Photoelectron Spectroscopy: A tool to study the electronic structure of active Iridium oxides anodes during the Oxygen evolution reaction</u>
9:30-10:00	Luca Gregoratti (Fermi & Elettra Lightsources, Italy) <u>Bridging the material and pressure gaps in synchrotron based photoelectron in-situ/operando studies</u>
10:00-10:30	Pieter Glatzel (European Synchrotron Radiation Facility, <i>ESRF</i> , France) <u>X-ray operando studies at ESRF</u>
10:30-11:00	Coffee break
11:00-11:30	Elena Magnano (CNR-IOM, Trieste, Italy) <u>X-ray spectroscopy goes underwater</u>
11:30-12:00	Piero Torelli (CNR-IOM, Trieste, Italy) <u>XAS in total electron yield @ ambient pressure: a new tool for the investigation of surface reactions</u>
12:00-13:00	Round table for discussion
13:00-14:00	Free time for lunch
14:00	Transfer to Rovinj (for participants to MCM2017)