

TAILOR-2016 Workshop

March 29th-April 1st 2016, Fontainebleau, Paris, France

Scientific Programme

Tuesday March 29th, 2016

13:35 Bus departure from Fontainebleau Avon railway station

14:15 14:30 *Opening - Welcome*

SESSION 1

chairman : Alex Shluger

14:30	15:20	IC1	Hiroshi Kondoh <i>Keio University, Yokohama, Japan</i>	<i>"In-Situ and In-Operando Observations of Catalytic Surfaces with Near Ambient Pressure XPS"</i>
15:20	15:45	OC1	Virginia Perez-Dieste <i>ALBA Synchrotron, Barcelona, Spain</i>	<i>"Ambient Pressure XPS at ALBA: First Results on Real Catalysts"</i>
15:45	16:10	OC2	Bongjin Simon Mun <i>Gwangju Institute of Science and Technology, Republic of Korea</i>	<i>"Evolution Oxidation States of Vanadium Thin Film with Ambient Pressure XPS"</i>

16:10 16:35 *Coffee break*

16:35	17:00	OC3	Uta Hejral <i>Deutsches Elektronen-Synchrotron DESY, Hamburg, Germany</i>	<i>"Operando CO Oxidation Study of MgAl₂O₄(001)-supported Pt_{0.33}Rh_{0.67} Nanoparticles using Surface X-Ray Diffraction"</i>
17:00	17:25	OC4	Venkatesan Dhanasekaran <i>Synchrotron SOLEIL, Gif-sur-Yvette, France</i>	<i>"Synthesis of AuPd Nanoparticles on Si Substrate for CO Oxidation"</i>
17:25	17:50	OC5	Antoine Abisset <i>Institut Néel, Grenoble, France</i>	<i>"Gold-palladium Nanoparticles on TiO₂ (110): Correlation between Morphology/Structure and UV-VIS Response"</i>
17:50	18:15	OC6	Aimeric Ouvrard <i>Institut des Sciences Moléculaires d'Orsay, France</i>	<i>"Strong CO Adsorption Change on Core/Shell Nanoparticles With Shell Thickness"</i>

19:00 19:30 POSTER SESSION

19:30 *Dinner*

Wednesday March 30th, 2016

			SESSION 2	chairman : Matteo Amati
8:30	9:20	IC2	Alex Shluger <i>University College London, UK</i>	<i>"Exciting Oxide Surfaces"</i>
9:20	9:45	OC7	Sigismund Melissen <i>Ecole Normale Supérieure de Lyon, France</i>	<i>"Theory of Graphitic Carbon Nitrides for Photocatalytic Water Splitting"</i>
9:45	10:10	OC8	Mathilde Iachella <i>Ecole Normale Supérieure de Lyon, France</i>	<i>"How to Sort Regular-Alloyed, Core-Shell and Skin-Heart AuCu Bimetallic Nanoparticles from a DFT Approach?"</i>
10:10	10:35	<i>Coffee break</i>		
10:35	11:00	OC9	Yves Borensztein <i>Institut des NanoSciences de Paris, France</i>	<i>"Evolution of Cu Nanoparticles on (110) TiO₂ under Intermediate Pressure of Di-Oxygen"</i>
11:00	11:25	OC10	Aline Passos <i>Synchrotron SOLEIL, Gif-sur-Yvette, France</i>	<i>"An In-Situ XAS/Raman Study of the Deactivation and Regeneration During Ethanol Steam Reforming"</i>
11:25	11:50	OC11	Anne Griboval-Constant <i>Université de Lille 1, Villeneuve d'Ascq, France</i>	<i>"Quick-XAS Sulfidation Study of MoW/Al₂O₃ Hydrotreatment Catalyst Prepared by MoW Mixed Heteropolyanions"</i>
12:00	14:00	<i>Lunch</i>		
14:30	19:00	<i>Free afternoon</i>		
19:00	19:30	POSTER SESSION		
19:30	<i>Dinner</i>			

Thursday March 31st, 2016

			SESSION 3	chairman : Nicholas Schneider
8:30	9:20	IC3	Oleg Shpyrko <i>University of California San Diego, USA</i>	<i>"In-Situ and Operando Coherent X-ray Diffractive Imaging of Materials and Devices"</i>
9:20	9:45	OC12	Francesco Carla <i>ESRF, Grenoble, France</i>	<i>"Structure and Growth Dynamics During Electrochemical Atomic Layer by Layer Deposition of CdS Thin Films Investigated by Surface X-ray Diffraction "</i>
9:45	10:10	OC13	Gilles Renaud <i>CEA, INAC, Grenoble, France</i>	<i>"In-Situ X-Ray Scattering Investigations on SiGe Nanowires: Growth, Strain and Dance"</i>
10:10	10:35		<i>Coffee break</i>	
10:35	11:00	OC14	Zhiyu Zou <i>IOM-CNR, Trieste, Italy</i>	<i>"In-Situ Atomic-Scale Investigation Of Graphene Growth on (100) Ni Facets"</i>
11:00	11:25	OC15	Alexandre Dumon <i>Ecole Normale Supérieure de Lyon, France</i>	<i>"H-Transfer Processes: Why The Chemical Environment DOES Matter"</i>
11:25	11:50	OC16	Esben Leonhard Kolsbjerg <i>iNano, Aarhus University, Denmark</i>	<i>"Pyridine Adsorption and Diffusion on Pt(111) Investigated with Density Functional Theory"</i>
12:00	14:00		<i>Lunch</i>	
			SESSION 4	chairman : Hiroshi Kondoh
14:00	14:50	IC4	Matteo Amati <i>Elettra Sincrotrone Trieste, Italy</i>	<i>"Scanning Photoemission Imaging and Spectromicroscopy, a powerful tool for in situ and in operando characterization of materials at the micro- and nano-scale"</i>
14:50	15:15	OC17	Jean-Jacques Gallet <i>Université Pierre et Marie-Curie, Paris, France</i>	<i>"The Near-Ambient X-ray Photoemission Spectroscopy at SOLEIL: First Experiments"</i>
15:15	15:40	OC18	Rik Mom <i>Huygens-Kamerlingh Onnes Lab., Leiden, The Netherlands</i>	<i>"High-Pressure Scanning Tunneling Microscopy During Hydrodesulfurization Catalysis"</i>
15:40	16:05	OC19	Lucie Plais <i>Synchrotron SOLEIL, Gif-sur-Yvette, France</i>	<i>"Development of Bi-Promoted (CoNiMoS) Hydrotreating Catalysts: An in-situ XAS Experiment for the Active Phase Formation Study"</i>
16:05	16:30		<i>Coffee break</i>	
16:30	16:55	OC20	Natalia Martin <i>Chalmers University of Technology, Sweden</i>	<i>"Study of Supported Pd-Pt Catalysts. XAS and LEIS Characterisation and Catalytic Activity for CH₄ Oxidation"</i>
16:55	17:20	OC21	Anaëlle Paredes Nunez <i>IRCELYON Villeurbanne France</i>	<i>"A Geometric Effect Of Tin Revealed for the Poisoning of Cobalt Most Active Sites For CO Hydrogenation"</i>
17:20	17:45	OC22	Vincenza d'Anna <i>Ecole Normale Supérieure de Lyon, France</i>	<i>"Structural Study of the Ziegler-Natta Pre-Catalyst"</i>
17:45	18:10	OC23	Andrea Piovano <i>Institut Laue Langevin, Grenoble, France</i>	<i>"In-situ Study of Hydrogen Adsorption on a PtCl₂-Functionalised UiO67 Metallorganic Framework"</i>
19:00	19:30		POSTER SESSION	
19:30			<i>Dinner</i>	

Friday April 1st, 2016

			SESSION 5	chairman : Oleg Shpyrko
8:30	9:20	IC5	Nicholas M. Schneider <i>University of Pennsylvania, Philadelphia, USA</i>	<i>"Liquid Cell Transmission Electron Microscopy for Analysis of Solid/Liquid Interfaces"</i>
9:20	9:45	OC24	Elena Magnano <i>IOM-CNR, Trieste, Italy</i>	<i>"Soft X-ray Absorption of CoFe₂O₃ Magnetic Nanoparticles in Aqueous Solution"</i>
9:45	10:10	OC25	Rodrigo Ferreira de Moraes <i>Ecole Normale Supérieure de Lyon, France</i>	<i>"DFT Study of Liquid Environment Effects on Water and Hydrogen Peroxide Formation on Platinum"</i>
10:10	10:35	<i>Coffee break</i>		
10:35	11:00	OC26	Gertjan van Baarle <i>Leiden Institute of Physics, The Netherlands</i>	<i>"A Different View on Catalysts: Probing Surface Roughness with nm-Scale Sensitivity Using Visible Light"</i>
11:00	11:25	OC27	Cristian Mocuta <i>Synchrotron SOLEIL, Gif-sur-Yvette, France</i>	<i>"Thin Films Characterization Using Fast Data Acquisition at DiffAbs Beamline (Synchrotron SOLEIL)"</i>
11:30	<i>Closure</i>			
12:00	13:20	<i>Lunch</i>		

13:30 Bus departure towards Fontainebleau Avon railway station