

Workshop on the " Use of Transmission Electron Microscopy and its Analysis Techniques"



November 25, 2013

ATRIUM, RC31



MiChem Labex
SORBONNE UNIVERSITÉS



Contact: Alexa.courty@upmc.fr

Program

09:45-10:00 Welcome

Alexa Courty

10:00-11:00 "Understanding Nanomaterials: In-Situ Imaging, Measurements, and Manipulation in the Electron Microscope".

Eli Sutter

Center for Functional Nanomaterials, Brookhaven National Laboratory, Upton, New York 11973 (USA).

11 :00-11 :30 Coffee Break

11:30-12:00" "Learning the most from your nano-object : the STEM multi-signal approach".

Christian Colliex

Laboratoire de Physique des Solides, Bat 510, Université Paris-Sud, 91405 Orsay Cedex, France

12:00-12:30 " Multimodal and multiscale microscopies to study biomineralization and crystallization processes"

Nicolas Menguy

Institut de Minéralogie et de Physique des Milieux Condenses, Université Pierre et Marie Curie, 75252 Paris Cedex 05

12:30-14:00 Lunch

14:00-14:30"Use of microscopy for meso- and nanostructures"

Christophe Petit

Laboratoire des matériaux Mesoscopiques et Nanométriques, Université Paris VI, Bat F,4 place Jussieu 75005 Paris

14:30-15:00 "Independent components analysis applied to EELS spectrum-imaging"

Michael Waals

Laboratoire de Physique des Solides, Bat 510, Université Paris-Sud, 91405 Orsay Cedex, France.

15:00-15:30 "Following Ostwald ripening in Nanoalloys by high-resolution imaging with single-atom chemical sensitivity."

Damien Alloyeau

Laboratoire Matériaux et Phénomènes Quantiques Université Paris 7 Denis Diderot, Bâtiment Condorcet, case courrier 7021, 75205 Paris cedex 13

15:30-16 :00 Coffee Break

16:30-17:00 "Observations of supported nanoparticles by in situ electronic microscopy"

Dalil Brouri

Laboratoire de Réactivité de Surface, Université Pierre et Marie Curie, Site d'Ivry 94200 Ivry-Sur-Seine