

Séminaire SOLEIL

In situ Synchrotron Radiation studies of catalytic materials

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Invité par V. BRIOIS

**Vendredi 3 Avril 2009 à 15h00
Grand Amphi SOLEIL**

Over the last decade several outstanding developments have taken place with the X-ray techniques based on Synchrotron Radiation. In particular, it is now possible to carry out time-resolved experiments using X-ray scattering and X-ray absorption spectroscopy techniques and in addition, other spectroscopic methods are also used in conjunction with these techniques. This in combination with the development in in situ methods permits the study of materials under reaction conditions. Here various X-ray scattering and absorption spectroscopic techniques, their advantages and disadvantages will be reviewed in detail by taking following examples:

1. Nano material formation from solution
2. Active catalyst generation from precursor
3. Structural characterisation and modelling of nano particle
4. Structural characterisation of amorphous solids

Formalités d'entrée : accès libre dans l'amphi du Pavillon d'Accueil. Si la manifestation a lieu dans le Grand Amphi Soleil du Bâtiment Central, merci de vous munir d'une pièce d'identité (à échanger à l'accueil contre un badge d'accès).

SYNCHROTRON SOLEIL

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