

*Séminaire SOLEIL*

## "Recent developments and achievements of spectromicroscopy and imaging projects at ELETTRA"

**M. KISKINOVA**

*(Sincrotrone Trieste, Area Science Park, Basovizza, Trieste, Italy)*

*Invité par Rachid BELKHOU*

**Vendredi 11 septembre 2009 à 15h00  
Grand Amphi SOLEIL**

ELETTRA has one of the most extensive programs in the field of x-ray spectromicroscopy in Europe, hosting three photoemission microscopes using different approaches to get sub-micrometer spatial resolution, full-field imaging and transmission scanning microscope with soft X-ray fluorescence mode. Selected results obtained at ELETTRA will be used to illustrate the recent achievements in addressing the surface properties of the individual nanostructures and supported catalyst particles, quantum-size effects and chemical reactivity, mass transport phenomena involving self-organization processes, and identification of spatial variations in the composition of morphologically complex and nano-structured materials, including biological samples and complementary IR spectromicroscopy. The concepts for construction of multi-purpose end station in the frame of FERMI project for exploring material structure, properties and phenomena at nanoscales by simultaneous detection of the scattered diffraction pattern and emitted charged particles and photons from the target will be briefly presented at the end.

**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

Division Expériences - L'Orme des merisiers - Saint-Aubin - BP 48 - 91192 GIF S/YVETTE Cedex

<http://www.synchrotron-soleil.fr/portal/page/portal/Soleil/ToutesActualites>

Secrétariat Division Expériences : [sandrine.vasseur@synchrotron-soleil.fr](mailto:sandrine.vasseur@synchrotron-soleil.fr)