

Séminaire SOLEIL

Soft X-ray Photoemission Electron Microscopy (PEEM) at Siam Photon (SLRI), THAILAND

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Invité par Rachid BELKHOU

**Lundi 3 décembre à 14h00
Grand Amphi SOLEIL**

Séminaires

Siam Photon Laboratory officially named as Synchrotron light Research Institute (SLRI) is the biggest one of two synchrotron facilities in the Southeast Asian Nations (ASEAN). Given service to scientific community among countries, especially Thailand, SLRI provides synchrotron radiation at 1.2GeV with 10 beamlines and end-stations. All available techniques are Time-resolve X-ray Absorption Spectroscopy (TR-XAS), Small Angle X-ray Scattering (SAXS), Photoemission Electron Spectroscopy (PES), Photoemission Electron Microscopy (PEEM), Infrared spectromicroscopy (IR), X-ray Absorption Spectroscopy (XAS), Deep X-ray Lithography (DXL), micro region X-ray Fluorescence (μ -XRF), and Multi-purpose X-ray instrument (MX). Moreover than given the overview of SLRI facility, this talk will emphasize on PEEM end-station installed at BL3.2b, SLRI.

At BL3.2b, PEEM, a sample is irradiated with monochromatic light from varied line-spacing plane-grating monochromator. Energy ranges of soft X-ray provided from 3 gratings cover the region from 80 to 900eV which provide surface sensitive experiment. Electrons which are created by photoemission and photoabsorption processes can be analyzed to create microscopic view on surface sample and also available to conduct experiments on micro region X-ray Absorption Spectroscopy (μ -XAS) and micro region X-ray Photoemission Spectroscopy (μ -XPS). This talk will provide overview of these instruments emphasize on BL3.2b, PEEM and research highlight. Also open for discussion to strengthen the collaboration between SOLEIL-SLRI.



Ce séminaire sera suivi d'une pause-café



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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