

# School on nanostructured materials Characterization by synchrotron light based techniques

18th – 23rd November 2007

INIFTA. La Plata, Buenos Aires. Argentina.

## CONTENTS:

- Synchrotron radiation fundamentals.
- Experimental facilities in the world.
- Nanoscience and nanotechnology applications.
- X-ray absorption techniques: EXAFS, XANES and dispersive EXAFS. Magnetic dichroism (XMCD).
- X-ray photoelectron spectroscopy (XPS). In situ studies (HP-XPS).
- Small angle X-ray scattering (SAXS). Grazing incidence SAXS (GISAXS) and anomalous SAXS (ASAXS)
- X-ray diffraction studies (DRX) with synchrotron light. Ex situ and in situ studies.
- Photoemission: ARPES-PES.
- Photoelectron diffraction.

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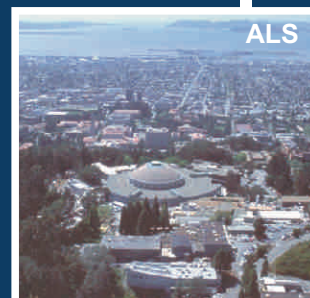
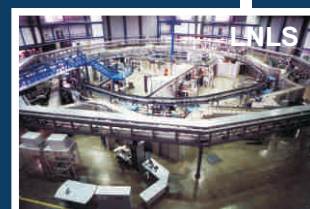
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## SPONSORS:

IUVSTA- International Union for Vacuum Science, Technique and Applications.  
CABNN - Centro Argentino Brasileño de Nanociencia y Nanotecnología.

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