

SEMINARIUM RENTGENOWSKIE

Dnia 26.09.2014r. o godz. 11.00, w sali D Instytutu Fizyki PAN, odbędzie się seminarium rtg., na którym **dr Angela Trapananti** z CNR, Istituto Officina dei Materiali-OGG, c/o European Synchrotron Radiation Facility, Grenoble (France), wygłosi referat na temat:

"Experimental Opportunities for X-ray Absorption Spectroscopy studies at GILDA beamline (ESRF)"

Abstract:

GILDA is the Italian beamline at the European Synchrotron Radiation Facility (ESRF) dedicated to X-ray Absorption Spectroscopy (XAS) in the hard x-rays range. It was designed to cover a wide energy range from 5 to 90 keV and it is especially equipped for the analysis of trace elements with limit concentration of about 50 ppm. After a brief overview of the experimental facility for state-of-the-art XAS experiments, I will present the new capabilities for X-ray Fluorescence (XRF) imaging of cm-sized areas.

I will also provide some examples of studies performed at the beamline: on natural gemstones, in order to relate their colour with the local environment of transition metals; on materials for electrodes in relation with their electrochemical performance in Li-ion batteries.