

SEMINARIUM RENTGENOWSKIE

Dnia 14.11.2017r. o godz. 10.30, w sali D Instytutu Fizyki PAN, odbędzie się seminarium rtg., na którym **mgr Yevgen Syryanyy** z IF PAN, wygłosi referat na temat:

"Usefulness of photoelectron spectroscopy to study surfaces and interfaces: selected examples"

Streszczenie:

The primary aim of materials science is to engineer materials with specific mechanical, electrical, magnetic, optical, thermal and chemical properties. These materials need to be stable under conditions that they will normally encounter. Provided that the material is not intrinsically unstable, or that extremes of mechanical force, or radiation are not disrupting bonds within the bulk, or growth conditions does not introduce intermixing of atoms at interface/s, etc., all processes for breakdown of that material will be initiated at a surface/interface. It is clear that each class of material can exhibit a characteristic set of surface/interface features, with particular physical, chemical and electronic properties. Therefore, techniques are required that enable us to analyze the surface/interface chemical and physical state and clearly distinguish it from the underlying solid. A considerable contribution to the advancements on most of the frontiers of material science in last decades has been made by surface analysis, in particular using Angle-Resolved Photoelectron Spectroscopy.

This talk will present the results of X-ray Photoelectron Spectroscopy (XPS) and Angle-Resolved Photoelectron Spectroscopy (AR-PES) studies used to characterize surface/interface in Co/MgO with/without gold interlayer system.

Prof. dr hab. Krystyna Jabłońska