

Virtual practicals & on-line tutorials

N°2: SURFACE ANALYSIS : AN INTRODUCTION TO XPS

Teachers:

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The aim of this workshop is to provide an intensive introduction to the principles of the electron spectroscopic techniques of X-ray photoelectron spectroscopy. After theoretical aspects, laboratory demonstrations will be performed. The lecturers will study 2 different kinds of surfaces, a silicon wafer and a stainless steel surface in order to identify elements and chemical bonds. Finally a model to describe oxide surfaces will be proposed to calculate oxide thicknesses.