

MACROMEX 2017 – XPS COURSE

Instructors:

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X-ray Photoelectron Spectroscopy (XPS) is a technique to analyze the materials surface and to interpret the physical state. Furthermore, the chemistry of the polymers can be analyzed to understand the properties and reactivity of the surface, is required the chemical composition, the chemical structure and a detailed description of bonding of molecules at the surface. An XPS spectra will provide qualitative and quantitative information on the elements presents. To maximize the information extracted from the spectra, the area of each subpeak for a given orbital must be determined, this requires the use of peak-fitting procedure. For a faster convergence of data, algorithms are used in AAnalyzer™ software. The XPS is considered one of the most powerful analytical tools available.

This course will introduce you to the concepts, tips for good measurements and a better procedure of fitting data.



Requirements to the attendants: an individual laptop for fitting data, please download at least two days before December 2nd the software AAnalyzer™, a trial license from <http://rdataa.com/aanalyzer/aanaGet.htm>