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<https://www.ircelyon.univ-lyon1.fr>

## **XPS Workshop:**

# **Systematic and collaborative approach to problem solving using X-ray photoelectron spectroscopy**

## **Workshop Programme**

Internet based workshop of two sessions presented via Web-Ex. Each session is of duration 2 hours. Laptops will be required. Access to the CasaXPS Casa Software YouTube video channel is required too. Data will be provided and Version 2.3.25 of CasaXPS should be downloaded and available for use during the workshop.

- Presentation of workshop is by Neal Fairley (CasaXPS Ltd.)
- XPS data: Pascal Bargiela-XPS Service Technical Manager, IRCELYON / *Institut de Recherches sur la Catalyse et l'Environnement de Lyon*

### **Session 1: Introduction to XPS and CasaXPS**

**14<sup>th</sup> December 2021 at 15:30 CET**

An analysis of experimental data based on elemental quantification and chemical state interpretation of spectra will be used to illustrate methodologies and presentation techniques in CasaXPS leading to export of results in the form of tables and graphical output suitable for publication.

### **Session 2: Exploring Analysis Techniques for the Analysis of Spectra by Fitting Curves to Data**

**16<sup>th</sup> December 2021 at 15:30 CET**

Analysis of sets of spectra aimed at developing scientifically justifiable peak models will be presented. Metal oxide data sets will be analysed en masse to provide insight into phases of materials evidenced by XPS.

- **Contact for registration**

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