

AlienS - School for advanced material characterization

Reference: 64B



OBJECTIVES

. Acquire a general overview of nanoscale characterization techniques and related roadmap . Focus on methodology for the study of surfaces, interfaces, nanomaterials and nanostructures . Identify the potential and limitations of various techniques . Practicals based on the general overview and on the topics focus through case studies

PUBLIC

Professionals, engineers, researchers from industry, facing material characterization issues

PREREQUISITES

No specific requirements

CONTENT

3 general characterization topics: . Chemical and morphological properties . Electrical and morphological properties . Structural and morphological properties 3 methodology axes: . Surface analysis . 3D Characterization . Characterization by Large Scale Facilities

METHOD

Theoretical lectures will be paired to practical works on real case studies that will highlight the capabilities and complementarities of the characterization techniques. The lectures will be given and broadcasted from 2 sites renowned for their characterization expertise and

their start-of-the-art facilities.