



Wide and Small Angle X-ray Scattering and X-ray Diffraction, from Crystallography to Nanostructural Characterization

Javier García-Barriocanal

Characterization Facility, University of Minnesota

MARTES 13 DE FEBRERO A LAS 12:00
SALA DE GRADOS,
FACULTAD DE CIENCIAS FÍSICAS, UCM

In this talk, I will briefly introduce the department Characterization Facility of the UMN, one of the core research facilities of the University of Minnesota. I will focus specifically on the X-Ray Scattering laboratory in order to describe its instrumentation and the associated scientific applications that cover a scale length range from 0.001 nm to 400 nm. I will highlight the peripheral devices that have allowed us to in-situ increase the parameter space of the experiments as well as the new methodologies created in the laboratory.