

Characterizing the building blocks of nanogranular films with AFM_{John}

Luca Gavioli¹

¹Dipartimento di Matematica e Fisica, Università Cattolica del Sacro Cuore, Brescia, 25133, Italy.

To understand the physical response of nanogranular ultrathin films composed by assembly of nanoparticles (NPs), the knowledge of the NPs size distribution is a fundamental step. In this talk, I will present the results obtained with the Park NX10 atomic force microscope for NP systems synthesized by supersonic cluster beam deposition. This gas phase deposition method allows to easily obtain isolated NPs on suitable substrates to determine the size distribution. Ag and NiFe materials will be discussed.