

Research Areas:

Novel approaches to thin film, magnetic multilayers and nanostructured materials, ion implantation and defects in metallic thin films and multilayers, laser-solid interactions, Hard Coatings, doping, for advanced magnetic and optical devices, atomic scale characterization of diffusion, doping and interfaces, pulsed laser deposition and atomic layer deposition of thin films, electrical, magnetic and optical properties. Development of *in-situ* and *ex-situ* analytical methods to characterize the electrical and magnetic properties.