

Francisco J. Flores Ruiz (Ph.D. Materials Science, 2015)

Associated professor

Research Areas

- Atomic Force Microscopy
 - Novel techniques for nano-characterization
 - Elastic, electric and magnetic properties of materials
- Magnetron Sputtering
 - Hard coatings and multiferroic materials
 - Superconductors and superstructures
 - Metamaterials, superlattice and nanostructures

Dr. Francisco is an associated professor in the Advanced Materials group at the Institute of Physics from Meritorious autonomous university of Puebla (BUAP-Mexico). In 2017 he won a research project with which he formed the atomic force microscopy laboratory (AFM-lab) at the institute of physics. Since 2018, the AFM-lab has served students and researchers from several Mexican and international institutions. He is co-head of the advanced materials and structures laboratory (AMSL or LEMA) at the institute of physics. In this laboratory, superconductor materials are deposited via magnetron sputtering and characterized with the four probes method at low temperature (300-10 K). Dr. Francisco is author and co-author of more than 30 scientific papers.