

BENEMÉRITA UNIVERSIDAD AUTÓNOMA DE PUEBLA



**INSTITUTO DE FÍSICA
"Luis Rivera Terrazas"**



**SEMINARIO EXTRAORDINARIO
"DR. JESUS REYES CORONA"**

"Investigation of physical and chemical properties of nanostructures by STM"

Dr. Maxim Grishin

Institute of Chemical Physics Russian academy of sciences.

Issues related to the application of methods of scanning tunneling microscopy and spectroscopy to determine the physico-chemical properties of nanoparticles and nanostructured coatings is considered. The possibility of determining the results of the interaction of individual nanoparticles with the gaseous reagents is demonstrated. Some results of studying of samples consisting of gold, Nickel, platinum and organoboron nanoparticles deposited on the surface of the high ordered pyrolytic graphite are presented. Methods developed on the basis of scanning tunneling microscopy and spectroscopy can be easily adapted to study the properties of a wide range of nanostructured coatings.

Auditorio-IFUAP

Jueves 22 de septiembre de 2016

12:00 Hrs.