

# BENEMÉRITA UNIVERSIDAD AUTÓNOMA DE PUEBLA



INSTITUTO DE FÍSICA  
“Luis Rivera Terrazas”



SEMINARIO EXTRAORDINARIO  
“DR. JESUS REYES CORONA”

**“Simple physics of Anderson localization:  
generalities and applications”**

Dr. Valentin Freilikher  
Universidad de Bar-Ilan, Israel.

In this talk, I will give an introduction to the physics of the Anderson localization, and will present the results of the most recent theoretical and experimental studies of the localized states (resonances) in dissipative one-dimensional disordered structures. I will show how the unique spectral properties of these structures could be harnessed to create and couple resonant micro-cavities, control light transport and spontaneous emission, etc.

**Auditorio-IFUAP**  
**Jueves 14 de Abril de 2016**  
**13:00 Hrs.**