

BENEMÉRITA UNIVERSIDAD AUTÓNOMA DE PUEBLA



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



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

"Supersymmetric Approach to Quantum Mechanics"

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The supersymmetric formulation of quantum mechanics is a subject of intense activity in contemporary physics. It is addressed to analyze the spectral properties of exactly solvable potentials as well as to construct new integrable quantum models. In this talk we revisit the progress of such formulation since the introduction of the factorization method by Dirac to the construction of non-Hermitian systems with all-real spectra that may be used to model open quantum systems with balanced gain (acceptor) and loss (donor) profile. Immediate applications are found in the propagation of waves in nonlinear media.

Webinario transmitido en la plataforma Google Meet
Ingresando meet.google.com/rqv-yjdx-nmp
Viernes 11 de septiembre de 2020
13:00 Hrs.