

**BENEMÉRITA UNIVERSIDAD AUTÓNOMA DE PUEBLA**



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



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

## **The making of a theory of the vitreous solid state: "from 1 milli-K to 1 kilo-K"**

**Dr. Giancarlo Jug**

**Professor of Condensed Matter Physics,  
Universita' dell'Insubria, Italia.**

A short account of the basic principles of a comprehensive theory of the vitreous state will be given, looking at glasses and their eventual "melting" into a liquid state (the inverse glass "transition") from the perspective of their low-temperature properties, then working all the way up to the melting temperature (and back again). There appears to be no ideal-glass transition, no ideal-glass state, but a first theoretical microscopic justification of the Vogel-Fulcher-Tammann (VFT) law can be provided, making glasses truly fascinating quantum as well as topological substances.

**Auditorio-IFUAP**

**Viernes 15 de Noviembre de 2019**

**16:30 Hrs.**