

## Seminario de Probabilidades de Chile

**Orador: Rolando Rebolledo (Instituto de Ingeniería Matemática, Universidad de Valparaíso)**

**Título: Quantum Decoherence for probabilists.**

**Resumen:** Quantum decoherence (QD) is today one cornerstone in the development of quantum computing (QC). This refers to the collapse of a quantum state into a classical one. From a mathematical point of view, its modelling has also been a major problem, motivating the development of new research in open systems theory. One could classify today this phenomenon at the interface between non-commutative and commutative probabilities. The general question is: how a quantum evolution becomes classical? Is this inevitable? Shall QC live with that? The talk will provide a panorama on the probabilistic modelling of decoherence, listing several open problems.

El enlace para conectarse al seminario es:

Unirse a la reunión Zoom

<https://reuna.zoom.us/j/84521834914?pwd=OTZ6Y0NWM3pYTGtTbEt3c0luTG96UT09>

ID de reunión: 845 2183 4914

Código de acceso: 997973

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MIÉRCOLES 15 DE DICIEMBRE DEL 2021 A LAS 16:15 HRS.