

SEMINARIO

***Núcleo Milenio Modelos Estocásticos de Sistemas Complejos y
Desordenados***

TITULO

Optimal transport, concentration of measure and functional inequalities.

EXPOSITOR

***Nathael GOZLAN
Université Paris-Est Marne-La-Vallée, FRANCIA.***

Abstract:

This talk is devoted to Talagrand's transport-entropy inequalities and its deep connections to the concentration of measure phenomenon, large deviation theory and logarithmic Sobolev inequalities. After an introductory part on the field, I will present recent results obtained with P-M Samson and C. Roberto characterizing different functional inequalities in terms of concentration of measure properties.

If time enables, I will also present some works in progress about transport inequalities in a discrete setting.

Martes 16 de Junio a las 16:30 hrs, Sala de Seminarios John Von Neumann CMM,
Séptimo Piso, Beauchef 851, Torre Norte.