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Chilean Probability Seminar

***Speaker*:** Paul Dario (Université Lyon 1)

Title: Quantitative hydrodynamic limit and regularity for Langevin dynamics for gradient interface models.

Abstract:

Lanngevin dynamics for gradient interface models are important in statistical physics due to their connection with random surfaces. It is of particular interest to understand their behavior over large-scales. In this direction a number of results have been established in the last 20 years (including the hydrodynamic limit of Funaki-Spohn and the scaling limit of Naddaf-Spencer and Giacomin-Olla-Spohn). In this talk, we will present the model, its motivations and main results. We will study a connection with the stochastic homogenization of nonlinear equations, discuss some new results that can be deduced from this approach and as well as possible extension to degenerate potentials. This is joint work with S. Armstrong.

El enlace para conectarse al seminario es:

Unirse a la reunión Zoom
https://reuna.zoom.us/j/84521834914?pwd=OTZ6Y0NWM3pYTGtTbEt3c0luTG96UT09
Código de acceso: 997973

Wednesday, April 20, 16:00 hrs (Chilean time).