

## Seminario

### Conjunto Modelamiento Estocástico y Núcleo Milenio MESCYD

#### Expositor

**Luis Fredes (U. Paris-Sud)**

**Title: Non-bijective scaling limit of maps via restrictions.**

**Abstract:** In recent years, scaling limits of random planar maps have been the subject of a lot of attention. So far, the convergence of these random combinatorial objects relies heavily on bijections. In this talk, I will present a non-bijective technique that allows to obtain the convergence of a random map model, using a convergent closely related random map model. Then, I will present a new result which is obtained using our technique: the Brownian disk is the limit of quadrangulations with a simple boundary, when the boundary is of order  $(\text{faces}^{\{1/2\}})$ .

Joint work with j.Bettinelli, N.Curien and A. Sepúlveda.

Martes 10 de Marzo a las 15:00 hrs, Sala de Seminario John Von Neumann CMM, Torre Norte, Piso 7, Beauchef 851.