## A Stochastic Flow Representation of One Dimensional Diffusions

## Ulises Pérez<sup>1</sup>

In this talk, we will show how to construct the solution of certain one-dimensional stochastic differential equations (SDEs) with reflection by using the stochastic flow corresponding to the associated stochastic differential equation without reflection. As a result, we can also derive solutions to some other Skorokhod problems.

<sup>&</sup>lt;sup>1</sup>National Autonomous University of Mexico, Mexico City, Mexico. Email: ulisesperez@ciencias.unam.mx