

## **I. Cipriano**, "*Time change for flows*"

This talk is motivated by the following question: How do ergodic properties of flows varies with a time change? I will be interested in studying this question in the case of suspension flows over countable Markov shifts.

I will start by introducing the results we require on thermodynamics formalisms for countable Markov shifts. I will then describe our topological description of the space of suspension flows according to certain thermodynamic quantities and I will explain the analytic tools we use to construct examples with prescribed thermodynamic behaviour. Finally, I will explain some properties that we can show, for example, that the set of suspension flows defined over the full shift on a countable alphabet having finite entropy is open. This is joint work with Godofredo Iommi from Pontificia Universidad Católica de Chile.