



UNIVERSITÀ DI PARMA

DIPARTIMENTO DI SCIENZE MATEMATICHE, FISICHE E INFORMATICHE

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SEMINARIO

Professor **Nicolas Saintier**, Università di Buenos Aires

Giovedì 3 ottobre 2019, ore 10:30

Aula C, Plesso di Matematica

***Measure-valued solutions for some problems
arising in social sciences***

Tutti gli interessati sono invitati a partecipare

Organizzatore: Prof. Marino Belloni

Abstract: *In this talk I will present some results concerning the well-posedness and asymptotic behaviour of some evolution equations arising in the modelling of opinion formation. More precisely, imagine a group of individuals debating over some question. As a result of interactions among individuals, the distribution of opinion, a priori a general probability measure, is not static but evolves in time. The problem is then to study the long-time behaviour of this distribution from the knowledge of the interaction rules. I will first introduce the main ideas and techniques based on Boltzmann-like equation with a very simple model. Then I will present various possible extensions and some theoretical results I obtained with my collaborators in Argentina concerning the long time behaviour the distribution and the rate of convergence to the stationary state.*