



NITheP cordially invites you to a seminar by:

Dr Rosemary Harris

Queen Mary University of London

Date: Friday, 13th March 2015

Time: 12h15 – 13h15

Venue: NITheP Seminar Room, H-Block, 3rd Floor

TITLE: Fluctuations in stochastic systems with memory

ABSTRACT:

I will give a gentle introduction to some recent work on the effects of long-range temporal correlations in stochastic particle systems, focusing particularly on fluctuations about the typical behaviour. Specifically, in the first part of the talk, I will discuss how long-range memory dependence can modify the large deviation principle describing the probability of rare currents and lead, for example, to superdiffusive behaviour. In the second part of the talk, I will describe some recent work incorporating the "peak-end" heuristic for human memory into a simple discrete choice model.

Coffee and biscuits will be served after the talk