



## Analysis Seminar

**Title:** Ergodic and geometric properties for systems with overlaps

**Speaker:** E. Mihailescu (Romanian Academy)

**Date:** Tue 27th September 2016 at 4:15PM

**Location:**

**Abstract:** I will present several recent results in the dynamics and ergodic theory of smooth transformations and their invariant probability measures on fractals with overlaps. Among the classes of maps considered there are hyperbolic endomorphisms, iterated function systems with overlaps, and maps on projective spaces. In this context we study the dimensions of these fractals and of the equilibrium measures supported on them, and some connections with exact dimensionality and 1-sided Bernoullicity.