Analysis Seminar

Title: Multifractal analysis for self–affine iterated function systems

Speaker: Thomas Jordan (University of Bristol)

Date: Tue 5th March 2019 at 4:00PM

Location: Seminar Room SCN 1.25

Abstract: I will start by describing a simple example (due to Besicovitch) of multi–fractal analysis which consider the frequency of digits in binary expansions. I'll then describe how this problem can be generalised to self–affine sets. In this setting the talk will describe how the problem relates to the study of random matrix products and describe some progress towards solving the problem which is joint work with Balazs Barany, Antti Kaenmaki and Micha lRams.