Barcelona Analysis Seminar **2024–2025**

Date: November 7, 2024
Time: 15:00 CET
Room: CRM Auditorium (Universitat Autònoma de Barcelona)

Favard length and quantitative rectifiability

Damian Dabrowski
University of Jyväskylä

Favard length of a planar set is the average length of its orthogonal projections. The Besicovitch projection theorem, which is one of the cornerstones of geometric measure theory, states the following: if a set E of finite length has positive Favard length, then there exists a rectifiable curve intersecting E in a set of positive length. In this talk I will discuss my recent quantification of this classical result, and its application to Vitushkin's conjecture.

More information at: `https://mat.uab.cat/web/seminarianalisi/`