
Barcelona Analysis Seminar **2021–2022**

URL. <https://mat.uab.cat/web/seminarianalisi/>

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Time. 15:00 CET

Room. C3-B158 (Universitat Autònoma de Barcelona)

Online streaming [Click here to join.](#)

Non-collapsing condition and embeddings for Hajłasz-Besov spaces

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In this talk we will focus on understanding the relation between Sobolev embedding theorems for Hajłasz-Besov spaces defined on a doubling metric measure space (Ω, d, μ) and the non-collapsing condition of the measure, i.e.

$$\inf_{x \in \Omega} \mu(B(x, 1)) > 0.$$

We will also obtain embedding results for Hajłasz-Besov spaces whose modulus of smoothness is generated by a rearrangement invariant quasi-norm. This is a joint work with Professor Joaquim Martín from UAB.