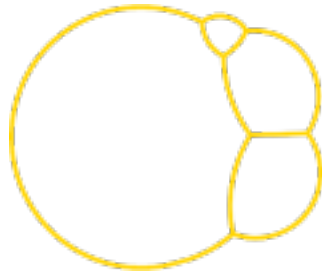Contribution ID: **100**   Type: **not specified**

Lecture 6. Isoperimetric sets of large volume on spaces with nonnegative Ricci curvature and Euclidean volume growth

Thursday, 23 June 2022 10:20 (50 minutes)

I will present a new existence result for isoperimetric sets of large volume on manifolds with nonnegative Ricci curvature and Euclidean volume growth, under an additional assumption on the structure of tangent cones at infinity. After a brief discussion on the sharpness of the additional assumption, I will show that it is always verified on manifolds with nonnegative sectional curvature. I will finally present the main ingredients of proof emphasizing the key role of nonsmooth techniques presented in the previous lectures.

Presenter: BRUÈ, Elia (IAS Princeton)