Title of the Talk: Localisation of Bochner Riesz means on sets of positive Hausdorff dimension in $\mathbb{R}^d$

Abstract:

We study the localisation of Bochner Riesz means $S_R^\alpha, \alpha > 0$ on sets of positive Hausdorff measure in $\mathbb{R}^d$ by making use of the decay of the spherical means of Fourier Transform of fractal measures. We study the localisation of Bochner Riesz means on these sets corresponding to the Torus $\mathbb{T}^d$ as well.