

# **SOME TOPICS IN HARMONIC ANALYSIS ON CURVED SPACES**

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In this talk I will give a gentle introduction to some recent joint work with David Beltran, Larry Guth, Marina Iliopoulou and Chris Sogge which has applications to some classical harmonic analysis problems over manifolds. In particular, I will focus on questions related to convergence of Fourier series. The emphasis will be on contrasting the behaviour in the curved setting with that in Euclidean space.