Analysis Seminar Thursday November 8, 2018

Speaker Marco Peloso, University of Milan

Title: *Measuring smoothness in Riemannian and sub-riemannian settings*

Abstract: When trying to solve partial differential equations on smooth manifolds, it becomes crucial to determine the most efficient and natural way to measure the smoothness of the solutions. In this talk we discuss various notions of norms, function spaces, their properties both in the Riemannian and sub-riemannian settings, with special focus on (the translation invariant case, that is, on) Lie groups.