SEMINARIO DE ANÁLISIS Y APLICACIONES

Viernes, 11 de febrero de 2011

11:30 h., Módulo **17 (antiguo C-XV)** aula **520**

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Tent spaces on spaces of homogeneous type and applications

Resumen: The theory of tent spaces, originally developed by Coifman, Meyer and Stein in the upper-half space, has found important applications to a variety of problems in Harmonic Analysis and Partial Differential Equations. In this talk, I will explore the extent to which an analogous program can be carried out in the context of space of homogeneous type. Such a generalization is warranted by the usefulness of this body of results in the study of Partial Differential Equations in very rough domains, whose geometrical characteristics are best described in the language of Geometric Measure Theory. Applications to estimates for Singular Integral Operators in such rough settings are also presented.