

# SEMINARIO DE ANÁLISIS Y APLICACIONES

Martes, 11 de Diciembre de 2018

15:00 h., [Aula Gris 1](#) (ICMAT)

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Harmonic Analysis on Uniformly  
Rectifiable Sets and Applications to  
Complex Analysis of a Single and  
Several Variables

**Resumen:**

In this talk I will discuss recent developments at the interface between Harmonic Analysis and Geometric Measure Theory (Calderón-Zygmund theory on Uniformly Rectifiable sets, a sharp divergence theorem with non-tangential boundary traces, Fatou-type theorems, etc.) and present their impact in problems arising in Complex Analysis, of a single and several variables, which make systematic use of singular integral operators.

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