

Seminario de análisis matemático y aplicaciones  
Analisi matematikoa eta aplikazioak mintegia

Absolute continuity of harmonic  
measure and rectifiability

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**ABSTRACT:** In this talk we will present a series of recent results that connect the analytic properties of harmonic measure  $\omega_\Omega$  defined in a domain  $\Omega \subset \mathbb{R}^{n+1}$  with the geometry of its boundary  $\partial\Omega$ . To be precise, we will discuss the solutions of some long-standing open problems concerning absolute continuity of  $\omega_\Omega$  with respect to either harmonic measure of its complement  $\omega_{\mathbb{R}^{n+1} \setminus \bar{\Omega}}$  or the  $n$ -Hausdorff measure on  $\partial\Omega$ , and  $n$ -rectifiability of  $\partial\Omega$ .

**LUGAR / LEKUA:**

Sala de seminarios de la sección de matemáticas  
Matematika ataleko mintegi gela

**DÍA Y HORA / EGUNA ETA ORDUA:**

05/10/2016, 12:00