

COLÓQUIOS 2015  
DEPARTAMENTO DE MATEMÁTICA

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FALARÁ SOBRE

**Calderón-Zygmund Theory and Boundary Value  
Problems on Riemannian Manifolds**

In this talk I will explore the manner in which Global Analysis, Pseudodifferential Operator techniques, Singular Integral Operators, and Geometric Measure Theory can provide effective tools in the treatment of boundary value problems on Riemannian manifolds. Special emphasis is placed on the  $L^p$ -Dirichlet problem for the Hodge-Laplacian, as well as more general strongly elliptic systems, in a class of uniformly rectifiable domains with unit conormal sufficiently close to VMO.

Quarta-feira, 12 de agosto  
16 horas

Departamento de Matemática  
Auditório