

Workshop on Harmonic Analysis, Partial Differential Equations and Geometric Measure Theory

ICMAT, Madrid, January 12th-16th, 2015

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WORKSHOP SCHEDULE

Main Talks (Aula Naranja):

Monday 12		
09:00 - 09:50	Registration (<i>ICMAT Main Entrance</i>)	
09:50 - 10:00	Welcome to participants	
10:00 - 11:00	P. Auscher	Representation for weak solutions of BVP
11:00 - 11:30	Coffee break (<i>ICMAT Cafeteria</i>)	
11:30 - 12:30	S. Mayboroda	Boundary value problems for elliptic operators with real non-symmetric coefficients
12:30 - 13:30	X. Tolsa	Rectifiability, the Jones' β coefficients, and densities
13:30	Lunch (<i>UAM Plaza Mayor - Ground Floor</i>)	

Tuesday 13		
10:00 - 11:00	M. Dindoš	The Dirichlet boundary problem for second order parabolic operators satisfying Carleson condition
11:00 - 11:30	Coffee break (<i>ICMAT Cafeteria</i>)	
11:30 - 12:30	S. Hofmann	Quantitative Rectifiability and boundary behavior of harmonic functions
12:30 - 13:30	I. Mitrea	Szegő Projections and Kerzman-Stein Formulas
13:30	Lunch (<i>UAM Plaza Mayor - Ground Floor</i>)	
15:00 - 17:40	Short Talks	
18:30	Reception Cocktail (<i>ICMAT Cafeteria</i>)	

Wednesday 14

10:00 - 11:00	M. Akman	Hausdorff dimension of p -harmonic measure
11:00 - 11:30	Coffee break (<i>ICMAT Cafeteria</i>)	
11:30 - 12:30	D. Mitrea	Characterizing Lyapunov Domains via Riesz Transforms on Hölder Spaces
12:30 - 13:30	T. Toro	Wasserstein Distance and the Rectifiability of Doubling Measures
13:30	Group Picture (<i>ICMAT Main Entrance</i>)	
13:45	Lunch (<i>UAM Plaza Mayor - Ground Floor</i>)	

Thursday 15

10:00 - 11:00	L. Chen	Quasi Riesz transforms, Hardy spaces and generalized sub-Gaussian heat kernel estimates
11:00 - 11:30	Coffee break (<i>ICMAT Cafeteria</i>)	
11:30 - 12:30	K. Nyström	Quasi-linear PDEs and low-dimensional sets
12:30 - 13:30	C. Rios	Off-diagonal estimates and weighted elliptic operators
13:30	Lunch (<i>UAM Plaza Mayor - Ground Floor</i>)	
15:00 - 16:00	M. Mitrea	Calderón-Zygmund theory and boundary problems on Riemannian manifolds
20:00	Dinner (<i>UAM Plaza Mayor - 1st Floor</i>)	

**Short Talks:****Tuesday 13**

	Aula Naranja	Aula Gris 1
15:00 - 15:15	Alvarado	López-Sánchez
15:20 - 15:35	Prisuelos	Arrizabalaga
15:40 - 15:55	Cavero	Silvestre
16:00 - 16:15	Bortz	Conde
16:15 - 16:45	Coffee break (<i>ICMAT Cafeteria</i>)	
16:45 - 17:00	Azzam	Gallarati
17:05 - 17:20	Mas	Tolksdorf
17:25 - 17:40	Phi	Damián