



9th International Conference on Harmonic Analysis and Partial Differential Equations

El Escorial, Madrid (Spain) June 11-15, 2012

Short Courses

Jonathan Bennett University of Birmingham	Transversal multilinear harmonic analysis
Detlef Müller Christian-Albrechts Universität, Kiel	Aspects of harmonic analysis related to hypersurfaces and Newton diagrams
Tatiana Toro University of Washington	Analysis on non-smooth domains
Joan Verdera Universitat Autònoma de Barcelona	Estimating the maximal singular integral by the singular integral

Main Speakers

F. Bernicot CNRS - U. Nantes	Multi-frequency Calderón-Zygmund analysis applied to Bochner-Riesz multipliers
M. Bownik U. Oregon, Eugene	Existence of frames with prescribed norms and frame operator
D. Córdoba ICMAT-CSIC, Madrid	Finite time singularities for incompressible fluids
B. Erdogan U. Illinois, Urbana	Smoothing for the KdV equation and the Zakharov system on the torus
T. Hytönen Helsingin Yliopisto	Pointwise convergence of vector-valued Fourier series
S. Lee Seoul National U.	On the cone multiplier in $\mathbb{R}^3$
T. Mei Wayne State U.	An H_1-BMO duality for semigroups of operators
M. Mitrea U. Missouri-Columbia	End-point boundary value problems in rough domains
T. Ozawa Waseda U.	A sharp bilinear estimate for the Klein-Gordon equation in two space-time dimensions
C. Pereyra U. New Mexico	Weighted Inequalities and dyadic harmonic analysis
A. Rosén Linköpings U.	Cauchy non-integral formulas
V. Temlyakov U. South Carolina	Quasi-greedy bases and Lebesgue-type inequalities
G. Uhlmann U. California-Irvine & U. Washington	Multiwave Inverse Problems
P. Wojtaszczyk U. Warszawski	Performance of greedy algorithm in reduced basis method

Schedule

Sunday 10

17:00-20:45	Registration
21:00	Dinner

Monday 11

09:00	Breakfast	
09:15-10:00	Registration	
10:00-10:05	Welcome to participants	
10:15-11:10	J. Verdera (I)	Estimating the maximal singular integral by the singular integral
11:15-11:45	Coffee break	
11:45-12:40	D. Müller (I)	Aspects of harmonic analysis related to hypersurfaces and Newton diagrams
12:45-13:40	J. Bennett (I)	Transversal multilinear harmonic analysis
14:00	Lunch	
15:45-16:30	D. Córdoba	Finite time singularities for incompressible fluids
16:35-17:00	Coffee Break	
17:00-17:45	G. Uhlmann	Multiwave Inverse Problems
17:50-18:35	M. Mitrea	End-point boundary value problems in rough domains
21:00	Dinner	

Tuesday 12

09:00	Breakfast	
09:45-10:40	T. Toro (I)	Analysis on non-smooth domains
10:45-11:40	J. Verdera (II)	Estimating the maximal singular integral by the singular integral
11:45-12:15	Coffee break	
12:15-13:00	S. Lee	On the cone multiplier in R^3
13:05-14:00	D. Müller (II)	Aspects of harmonic analysis related to hypersurfaces and Newton diagrams
14:00	Lunch	
15:45-16:45	Short Talks	
16:45-17:00	Coffee Break	
17:00-19:25	Short Talks	
21:00	Dinner	

Wednesday 13		
09:00	Breakfast	
09:45-10:40	J. Bennett (II)	Transversal multilinear harmonic analysis
10:45-11:40	T. Toro (II)	Analysis on non-smooth domains
11:45-12:15	Coffee break	
12:15-13:00	T. Ozawa	A sharp bilinear estimate for the Klein-Gordon equation in two space-time dimensions
13:05-14:00	J. Verdera (III)	Estimating the maximal singular integral by the singular integral
14:00	Lunch	
15:45-16:45	Short Talks	
16:45-17:00	Coffee Break	
17:15-19:05	Short Talks	
21:00	Dinner	

Thursday 14		
09:00	Breakfast	
09:45-10:40	D. Müller (III)	Aspects of harmonic analysis related to hypersurfaces and Newton diagrams
10:45-11:40	T. Toro (III)	Analysis on non-smooth domains
11:45-12:15	Coffee break	
12:15-13:00	T. Hytönen	Pointwise convergence of vector-valued Fourier series
13:05-14:00	J. Bennett (III)	Transversal multilinear harmonic analysis
14:00	Lunch	
15:45-16:30	F. Bernicot	Multi-frequency Calderón-Zygmund analysis applied to Bochner-Riesz multipliers
16:35-17:00	Coffee Break	
17:00-17:45	V. Temlyakov	Quasi-greedy bases and Lebesgue-type inequalities
17:50-18:35	P. Wojtaszczyk	Performance of greedy algorithm in reduced basis method
21:00	Dinner	
22:00	Party at Hotel NH Victoria	

Friday 15		
09:00	Breakfast	
09:30-10:15	M. Bownik	Existence of frames with prescribed norms and frame operator
10:20-11:05	B. Erdogan	Smoothing for the KdV equation and the Zakharov system on the torus
11:10-11:55	T. Mei	An H_1 -BMO duality for semigroups of operators
12:00-12:20	Coffee break	
12:20-13:05	A. Rosén	Cauchy non-integral formulas
13:10-13:55	C. Pereyra	Weighted Inequalities and dyadic harmonic analysis
14:00	Lunch	

Short Talks

Tuesday 12			
	Room 1	Room 2	Room 3
15:45-16:00	Bez	Fariña	Nyström
16:05-16:20	Oliveira	Urbina	Ott
16:25-16:40	Buschenhenke	Nowak	Rios
16:45-17:00	Coffee Break		
17:00-17:15	Valdimarsson	Stinga	Korobenko
17:20-17:35	Cho	Bongioanni	Dindos
17:40-17:55	Hong	Zhang	Gressman
18:05-18:20	Rule	Portal	Tsutsui
18:25-18:40	Rodríguez-López	Roncal	Ou
18:45-19:00	Kovac	Kemppainen	Stokolos
19:05-19:20	Hart	Wróbel	Slavin

Wednesday 13			
	Room 1	Room 2	Room 3
15:45-16:00	Alfonseca	Honzik	Apraiz
16:05-16:20	Silvestre	Chousionis	Arrizabalaga
16:25-16:40	Lind	Mas	Zubeldia
16:45-17:00	Coffee Break		
17:00-17:15	Tikhonov	Villarroya	Dooley
17:20-17:35	Curbera	Grau de la Herran	Martini
17:40-17:55	Liflyand	Mourgoglou	Kohr
18:05-18:20	Chua	Uriarte-Tuero	Beltita
18:25-18:40	Di Plinio	Kairema	Nilsson
18:45-19:00	Hagelstein	Reguera	Stachura