

10th International Conference on Harmonic Analysis and Partial Differential Equations

June 12-17, 2016, El Escorial (Madrid)

Sunday 12

17:00-20:45 Registration

21:00 Dinner

Monday 13

9:00 Breakfast

09:15-10:00 Registration

10:00-10:05 Welcome to participants

10:15-11:10 **Camillo de Lellis**, U. Zurich, *Surprising solutions to the isentropic Euler system of gas dynamics* (I)

11:15-11:45 Coffee break

11:45-12:40 **Ciprian Demeter**, Indiana U., *Decouplings and applications* (I)

12:45-13:40 **Marius Junge**, U. Illinois, Urbana-Champaign, *Harmonic analysis for noncommutative spaces* (I)

14:00 Lunch

16:00-16:45 **Svitlana Mayboroda**, U. Minnesota, *Harmonic measure in higher co-dimension*

16:50-17:35 **Nets Katz**, Caltech, *Scenes from Kakeya sets in R^3 near the Wolff exponent*

21:00 Dinner

Tuesday 14

9:00 Breakfast

09:45-10:40 **Camillo de Lellis**, U. Zurich, *Surprising solutions to the isentropic Euler system of gas dynamics* (II)

10:45-11:40 **Pascal Auscher**, U. Paris-Sud, *The First order approach for elliptic and parabolic equations* (I)

11:45-12:15 Coffee break

12:15-13:00 **Alexander Olevskii**, Tel Aviv U. *Fourier Quasicrystals.*

13:05-14:00 **Ciprian Demeter**, Indiana U., *Decouplings and applications* (II)

14:00 Lunch

15:45-16:45 Short Talks

16:45-17:00 Coffee Break

17:00-19:00 Short Talks

21:00 Dinner

Wednesday 15

9:00	Breakfast
09:45-10:40	Marius Junge , U. Illinois, Urbana-Champaign, <i>Harmonic analysis for noncommutative spaces</i> (II)
10:45-11:40	Camillo de Lellis , U. Zurich, <i>Surprising solutions to the isentropic Euler system of gas dynamics</i> (III)
11:45-12:15	Coffee break
12:15-13:00	Christoph Thiele , U. Bonn, <i>The harmonic analysis of two commuting transformations</i>
13:05-14:00	Pascal Auscher , U. Paris-Sud, <i>The First order approach for elliptic and parabolic equations</i> (II)
14:00	Lunch
15:45-16:45	<u>Short Talks</u>
16:45-17:00	Coffee Break
17:00-19:00	<u>Short Talks</u>
21:00	Dinner

Thursday 16

9:00	Breakfast
09:45-10:40	Ciprian Demeter , Indiana U., <i>Decouplings and applications</i> (III)
10:45-11:40	Pascal Auscher , U. Paris-Sud, <i>The First order approach for elliptic and parabolic equations</i> (III)
11:45-12:15	Coffee break
12:15-13:00	Úrsula Molter , U. de Buenos Aires, <i>The amalgam Balian Low theorem and time-frequency shift invariance.</i>
13:05-14:00	Marius Junge , U. Illinois, Urbana-Champaign, <i>Harmonic analysis for noncommutative spaces</i> (III)
14:00	Lunch
15:45-16:30	Akram Aldroubi , Vanderbilt U. <i>Dynamical Sampling and Systems of Iterative Action of Operators</i>
16:35-17:00	Coffee Break
17:00-17:45	Mikko Salo , U. Jyväskylä. <i>Recent progress in the Calderon problem.</i>
17:50-18:35	Andrei Lerner , Bar Ilan U., <i>On pointwise estimates involving sparse operators</i>
21:00	Dinner

Friday 17

9:00	Breakfast
10:15-11:00	Éric Ricard , U. Caen Normandie, <i>Noncommutative De Leeuw's theorems</i>
11:05-11:50	Xavier Tolsa , ICREA – U. Autònoma de Barcelona, <i>The Riesz transform, quantitative rectifiability, and a two-phase problem for harmonic measure</i>
12:00-12:20	Coffee break
12:30-13:15	Jim Wright , U. Edimburgh, <i>On a theorem of L. Alpár</i>
13:20-13:30	Closing remarks
14:00	Lunch