

# Research term on

## Real Harmonic Analysis and Its Applications to Partial Differential Equations and Geometric Measure Theory

ICMAT (Madrid, Spain)  
May 7 - June 8, 2018

### Mini-courses:

May 22-23, 2018

**“Quantitative absolute continuity of harmonic measure”**, Steve Hofmann (University of Missouri)

May 22-23, 2018

**“Harmonic measure via blow up methods and monotonicity formulas”**, Xavier Tolsa (ICREA)

May 24, 2018

**“Almost minimizers in variational problems”**, Tatiana Toro (University of Washington)

### Invited speakers:

Murat Akman (U. of Connecticut)  
Pascal Auscher (CNRS)  
Jonas Azzam (U. of Edinburgh)  
Ariel Barton (U. of Arkansas)  
Dmitriy Bilyk (U. of Minnesota)  
Simon Bortz (U. of Minnesota)  
Li Chen (U. of Connecticut)  
David Cruz-Uribe (U. of Alabama)  
Guy David (U. of Paris-Sud)  
Moritz Egert (U. of Paris-Sud)  
Max Engelstein (MIT)  
Luis Escauriaza (Euskal Herriko U.)  
Joseph Feneuil (U. of Minnesota)  
Marcel Filoche (École Polytechnique)  
John B. Garnett (U. of California Los Angeles)  
Steve Hofmann (U. of Missouri)  
Tuomas Hytönen (U. of Helsinki)  
Alex Iosevich (U. of Rochester)  
Benjamin Jaye (Clemson U.)  
David Jerison (MIT)  
Carlos Kenig (U. of Chicago)  
Seick Kim (Yonsei U.)  
Juha Kinnunen (Aalto U.)  
Michael Lacey (Georgia Institute of Technology)

John Lewis (U. of Kentucky)  
Svitlana Mayborda (U. of Minnesota)  
Dorina Mitrea (U. of Missouri)  
Marius Mitrea (U. of Missouri)  
Irina Mitrea (Temple University)  
Sylvie Monniaux (U. Aix-Marseille)  
Andrew Morris (U. of Birmingham)  
Mihalis Mourgoglou (U. of the Basque Country)  
Kaj Nyström (Uppsala U.)  
Carlos Pérez (Euskal Herriko U.)  
Salvador Pérez-Esteve (Unidad Cuernavaca del Inst. de Matemáticas)  
Jill Pipher (Brown U.)  
Pierre Portal (Australian National U.)  
Cristian Ríos (U. of Calgary)  
Jorge Rivera-Noriega (U. Autónoma de Estado de Morelos)  
Olli Saari (Aalto U.)  
Eric Sawyer (McMaster U.)  
Xavier Tolsa (ICREA)  
Tatiana Toro (U. of Washington)  
Rodolfo Torres (U. of Kansas)  
Ignacio Uriarte-Tuero (Michigan State U.)  
Joan Verdera (UAB)  
Alexander Volberg (Michigan State U.)

### Organizing committee:

Simon Bortz (U. of Minnesota)  
José María Martell (ICMAT)  
Svitlana Mayborda (U. of Minnesota)

[www.icmat.es/RT/2018/HAPDEGMT](http://www.icmat.es/RT/2018/HAPDEGMT)

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