

# Thematic Research Programme: **OPERATOR ALGEBRAS, GROUPS AND APPLICATIONS TO QUANTUM INFORMATION**

ICMAT (Madrid, Spain)  
March 11 - June 29, 2019

## **WORKSHOP I: OPERATOR ALGEBRAS AND GROUPS**

March 18 - 22, 2019

### Plenary speakers:

**Mercedes Siles** (Universidad de Málaga). **"A new look at evolution algebras"**

**Pere Ara** (Universidad Autònoma de Barcelona). **"Separated graphs and dynamics"**

**Tim de Laat** (Westfälische Wilhelms-Universität, Münster). **"Fixed point properties for group actions on Banach spaces"**

**Kang Li** (Mathematical Institute of the Polish Academy of Sciences, Warsaw). **"Rigidity of  $L^p$ -uniform Roe algebras"**

**Xin Li** (Queen Mary University, London). **"Constructing Cartan subalgebras in classifiable  $C^*$ -algebras"**

**Enrique Pardo** (Universidad de Cádiz). **"Simplicity of algebras associated to non-Hausdorff groupoids"**

**Marzieh Forough** (Institute for Research in Fundamental Sciences, Iran and Check Academy of Sciences). **"Weak tracial Rokhlin property for finite group actions on simple  $C^*$ -algebras"**

**Ramón Antoine** (Universidad Autònoma de Barcelona). **"The Cuntz Semigroup of Stable Rank One  $C^*$ -algebras"**.

**Timothy Rainone** (University of Arizona, USA). **The type semigroup construction**

### Organizing committee:

Cécilia Lancien (U. Toulouse)  
Fernando Lledó (UC3M-ICMAT)  
Diego Martínez (UC3M-ICMAT)  
Carlos Palazuelos (UCM-ICMAT)  
Julio de Vicente (UC3M)

### Scientific committee:

**Pere Ara** (Universitat Autònoma de Barcelona, Spain)  
**Marius Junge** (University of Illinois at Urbana-Champaign, USA)  
**David Kerr** (Texas A&M University, College Station, USA)  
**Fernando Lledó** (Universidad Carlos III de Madrid and ICMAT, Spain)  
**Francesc Perera** (Universitat Autònoma de Barcelona, Spain)  
**Andreas Winter** (Universitat Autònoma de Barcelona, Spain)  
**Mikael Rørdam** (University of Copenhagen, Denmark)

**More information:** <https://www.icmat.es/RT/2019/OAGAQI/index.php>

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