



# CRM INTENSIVE RESEARCH PROGRAMMES



The IRP will take place at the CRM from March 1st to July 21st, 2017.

This IRP is designed simultaneously to speed up and contribute to the next game-changing developments in the classification and structure theory for  $C^*$ -algebras, and to prepare for the new state of play in the area once those developments arrive. According to current developments, the IRP will strive to blend different techniques coming both from  $C^*$  and von Neumann algebras and find a common ground to maximize outputs. The program will bring together many of the world's leading researchers working on  $C^*$ -algebras, von Neumann algebras, dynamical systems, and the interactions between these areas. There are three key objectives:

1. To advance classification programs for  $C^*$ -algebras and for  $C^*$ -dynamical systems.
2. To investigate further suitable models for classifiable  $C^*$ -algebras arising from dynamics.
3. To encourage further interaction between  $C^*$ -algebras and von Neumann algebras in light of current progress in both areas.

Scientific organizers:

Nathaniel P. Brown (The Pennsylvania State University)  
 Francesc Perera (Universitat Autònoma de Barcelona)  
 Aidan Sims (University of Wollongong)  
 Stuart White (University of Glasgow)  
 Wilhelm Winter (University of Münster)

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SIMONS FOUNDATION



## IRP on Operator Algebras: Dynamics and Interactions

### AGENDA:

- ✓ Advanced Course on Operator Algebras: groupoids, crossed products, and Rokhlin dimension  
March 13 to 17, 2017
- ✓ Workshop on  $C^*$ -algebras and Dynamical Systems  
March 20 to 24, 2017
- ✓ Barcelona Conference on  $C^*$ -algebras: Structure, Classification and Dynamics  
June 19 to 23, 2017

Further information on the Research Programme and activities in

<http://www.crm.cat/2017/IRPOperatorAlgebras>



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