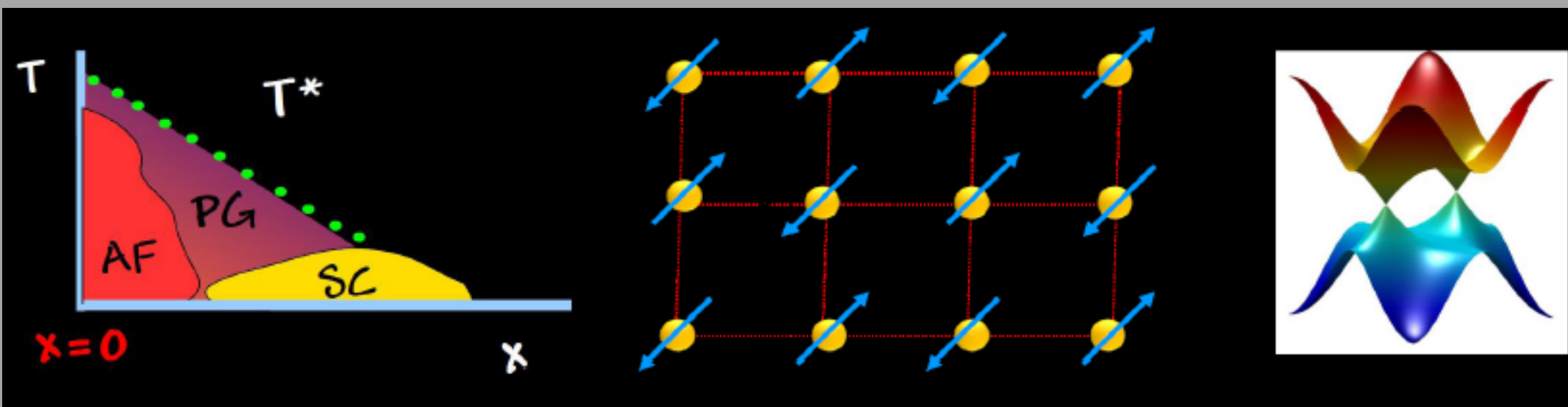


# Postgraduate Course: Emergence of Quantum Phases in Novel Materials

September 18-22, 2017.

Instituto de Ciencia de Materiales de Madrid (ICMM-CSIC), Cantoblanco, Madrid

[www.icmm.csic.es/emergence](http://www.icmm.csic.es/emergence)



The goal of the course is to give an overview of the effects of interactions and topology in novel materials and devices. The course is addressed to master students, PhD candidates, postdoc or experienced researchers, theorists and experimentalists.

## The program includes:

Fermi and Luttinger liquids, Mott, Hund and Kondo physics, Classical and Quantum phase transitions, Magnetism, Superconductivity, Topological insulators and superconductors, Weyl semimetals and 2D materials

## Lecturers:

Ramón Aguado  
Leni Bascones  
Alberto Cortijo  
María José Calderón  
Rafa Roldán  
Belén Valenzuela

Instructions for registration can be found in the web page. There is no registration fee. Due to limited number of participants we encourage early registration.

**Contact:** [emergence.icmm@gmail.com](mailto:emergence.icmm@gmail.com)

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