



Institut d'Etudes Scientifiques de Cargèse  
<http://www.iesc.univ-corse.fr>

# Cargese School «COR.S.O.»: New physics due to Spin-Orbit coupling in CORrelated electron systems

Cargese, Corsica  
4-14 August 2015

The school aims at bringing together Ph.D. students and young scientists from all over the world working (or who want to start a new research path) in new phenomena emerging from the competition between strong correlation, spin-orbit or other non-trivial topological interaction.

Main topics will include

- Spin-orbit Mott insulators
- Topological Kondo Insulators
- Novel magnetic phases and quantum spin liquids
- New topological correlated phases
- Spin-Orbit effects in oxide heterostructures

## Invited Speakers

- **Silke Biermann** (Ecole Polytechnique Paris)
- **Yong-Baek Kim** (University of Toronto)
- **Zahid Hasan** (Princeton University)
- **Tomohiro Takayama** (MPI Stuttgart-University of Tokyo)
- **Des McMorro** (LCN London)
- **Andrea Caviglia** (TUDelft The Netherlands)
- **Krjstian Haule** (Rutgers University)
- **Hae-Young Kee** (University of Toronto)
- **B.J Kim** (MPI Stuttgart)
- **Piers Coleman** (Rutgers Piscataway)
- **Andres Santander-Syro** (Université Paris Sud)
- **Cedric Weber** (King's College London)
- **David Carpentier** (ENS Lyon)
- **Roman Süsstrunk** (ETH Zürich)

More informations and applications on

<http://corso2015.sciencesconf.org>

Organizing committee :

Marcello Civelli (Université Paris Sud)

Radu Coldea (Oxford University)

Hilbert von Lohneysen (Karlsruhe Institut of Technology)

LI. E.S.C. est affilié au Centre National de la Recherche Scientifique et Universités de Corse et Nice-Sophia Antipolis.  
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