



# International School on Crystallographic Groups and Their Representations

## Workshop on Topological Insulators

<http://icqms.shu.edu.cn/ISCG/index.html>

**Shanghai University, 1-7 July, 2019**

The school will provide the crystallographic and group-theoretical background necessary for the understanding and application of symmetry methods and techniques in topological quantum systems. The lectures will be complemented by exercises to help the participants to get some practical knowledge in crystallographic groups and their representations. Through examples and hands-on sessions the participants will gain experience in the use of the online tools of the Bilbao Crystallographic Server (BCS) to solve specific problems related to electronic properties of topological solids.

### Speakers:

Mois I. Aroyo (University of the Basque Country, Spain)  
 B. Andrei Bernevig (Princeton University, Princeton, USA)  
 Barry Bradlyn (University of Illinois Urbana-Champaign, USA)  
 Jennifer Cano (Stony Brook University, USA)  
 Luis Elcoro (University of the Basque Country, Spain)  
 Massimo Nespolo (Université de Lorraine, Nancy, France)  
 Bernd Souvignier (Radboud University, Netherlands)

### Organizers:

Wei Ren (Shanghai University, ICQMS)  
 Alessandro Stroppa (CNR-SPIN, Italy)  
 Mois I. Aroyo (UPV/EHU)

### Webpage:

<http://icqms.shu.edu.cn/ISCG/>

**International Centre for Quantum  
and Molecular Structures**



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