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## ACTIVITIES

## 2017 International Workshop: Topological matter meets quantum information

Release Time: 2017-05-17



Shanghai Center for Complex Physics  
Department of Physics and Astronomy  
Shanghai Jiao Tong University

## Conference Scope

The desire to store and manipulate quantum information in a protected qubit at a physical level motivated the idea of topological quantum computing. Consequently, the search for topological quantum matter and quantum devices that will enable this new approach to quantum information has attracted leading experts to present and discuss most recent progress made on both topological quantum matter and quantum information. Topics to be discussed include Majorana zero modes in designed materials, topological and other unconventional superconductors, strongly entangled many electron systems, quantum computation, and quantum error correction. This workshop will aim to gain insights into these problems and identify future directions at the interface between traditional condensed matter physics and the newer field of quantum information.

## Workshop Organizing Committee (listed alphabetically):

Liang Fu (MIT, co-chair)  
Jinfeng Jia (SJTU, co-chair)  
Tony Leggett (UIUC/SJTU)  
Ying Liu (PSU/SJTU, Chair)  
Xiang Tao (IOP/CAS)  
Xincheng Xie (PKU)  
Dingyu Xing (NJU)  
Hongqi Xu (PKU)  
Qikun Xue (Tsinghua)  
Fuchun Zhang (ZJU)

## Acknowledgement:

Financial supports from Department of Physics and Astronomy of Shanghai Jiao Tong University and Shanghai Center for Complex Physics

## Invited speakers

Ali Yazdani (Princeton)  
Anton Akhmerov (Delft)  
Antonio Garcia-Garcia (SJTU)

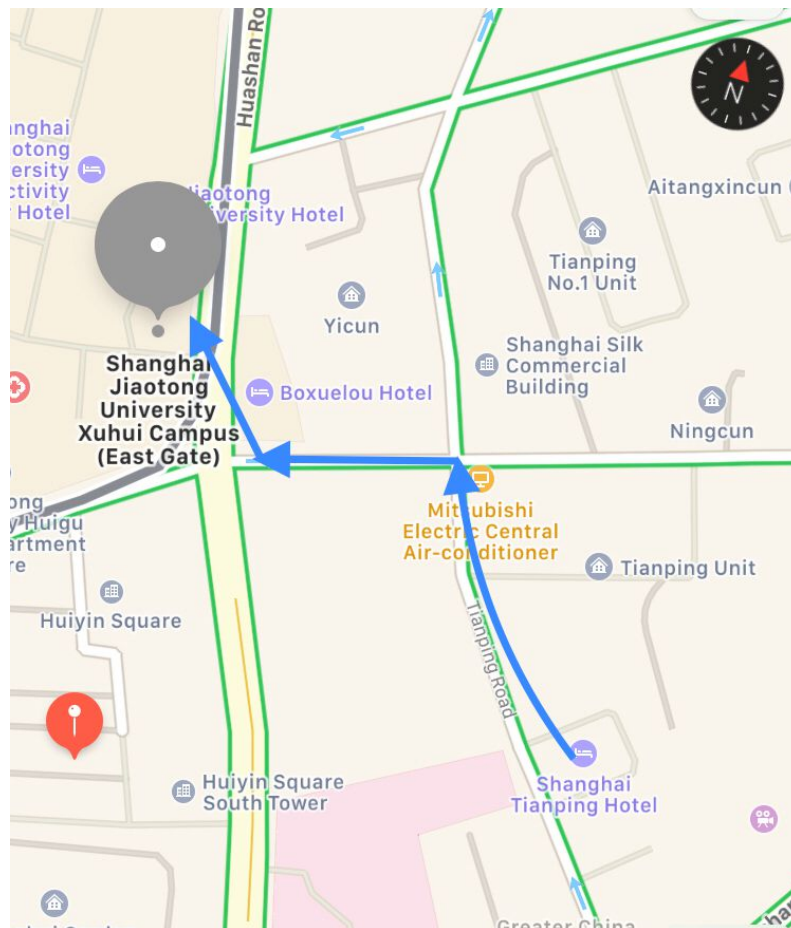
Carlo Beenakker (Leiden)  
 Chaoxing Liu (PSU)  
 Cristián Urbina (CEA-Saclay)  
 Dale van Harlingen (UIUC)  
 Daniel Crow (SJTU)  
 Eli Zeldov (Weizmann)  
 Haohua Wang (ZJU)  
 Jainendra Jain (PSU)  
 Jay Sau (Maryland)  
 Jinfeng Jia (SJTU)  
 Junwei Liu (MIT)  
 Kang L. Wang (UCLA)  
 Ke He (Tsinghua)  
 Laurens Molenkamp (Wurzberg)  
 Leonid Glazman (Yale)  
 Li Lv (IOP CAS)  
 Pablo Jarillo-Herrero (MIT)  
 Partrick Lee (MIT)  
 Raffi Budakian (Waterloo)  
 Ruirui Du (PKU)  
 Shoucheng Zhang (Stanford)  
 Tim Hsieh (UCSB)  
 Vic Law (HKU)  
 Vidya Madhavan (UIUC)  
 Xie Chen (MIT)  
 Ying Liu (SJTU)  
 Yoshi Maeno (Kyoto)  
 Yulin Chen (OU)  
 Zhe Wang (UNIGE)  
 Zhiqiang Mao (LA)

## Program

Time	Tuesday, 6/13/17	Wednesday, 6/14/17	Thursday, 6/15/17	Friday, 6/16/17
08:45 - 08:50	Opening			
08:50 - 08:55	Tony Leggett, welcome			
09:00 - 09:35	Dale van Harlingen	Carlo Beenakker	Patrick Lee	Shoucheng Zhang
09:35 - 10:10	Ali Yazidani	A. Garcia-Garcia	Anton Akhmerov	Kang Wang
10:10 - 10:50	Coffee/Tea	Coffee/Tea	Coffee/Tea	Coffee/Tea
10:50 - 11:25	Leonid Glazman	Ruirui Du	Cristián Urbina	Chaoxing Liu
11:25 - 12:00	Jinfeng Jia	Li Lv	Pablo Jarillo-Herrero	Tim Hsieh (TBC)
12:00 - 13:00	Lunch	Lunch	Lunch	Lunch
13:00 - 14:00	Free activities	Group photo 13:45	Free activities	Free activities
14:00 - 14:35	Janendra Jain	Ke He	Vic Law	Yoshi Maeno
14:35 - 15:10	Junwei Liu	Eli Zeldov	Zhe Wang	Ying Liu
15:10 - 15:50	"Open Mic" session	Coffee/Tea	"Open Mic" session	Coffee/Tea
15:50 - 16:25	Going to SJTU Minhang	Raffi Budakian	Excursion →	Vidya Madhavan
16:25 - 17:00		"Open Mic" session		"Open Mic" session
17:00 - 18:00	Lab tours			
18:00	Welcome reception			Conf. banquet

## Notes

- All scientific talks are 30 (talk)+ 5 (questions) = 35 min. each
- Hotel Introduction  
 Tian Ping Hotel, is located very close to SJTU old campus, the Xuhui campus, being convenient to see the City of Shanghai.  
 Hotel address: 185 Tianping Road, Xuhui District, Shanghai, China (Post Code: 200030), Tel: 86-21-5180-1133.



3. Conference Venue: Xuhui Campus, Shanghai Jiao Tong University, 5 minutes walk from the Tianping Hotel.

4. Contacts

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Ying Cheng E-mail: [chengying11@sjtu.edu.cn](mailto:chengying11@sjtu.edu.cn)