

QPQI7

THE WORKSHOP ON TOPOLOGY AND DYNAMICS IN NON-HERMITIAN SYSTEMS

*Beijing Computational Science Research Center
December 13-16, 2019*

The **International Workshop on Frontiers in Quantum Physics and Quantum Information** is a series workshop for theoretical and experimental quantum information research. This year, we focus on the topic “*topology and dynamics in non-Hermitian systems*”. Non-Hermitian Hamiltonians were not taken seriously in the past since they were assumed to be unphysical. With the advent of parity-time reversal symmetric systems possessing real eigenvalues and conserved probability, and with numerous experimental demonstrations, such Hamiltonians are now studied routinely as many novel features in non-Hermitian systems may or may not have any analogue in the Hermitian counterparts. Study of topological phases in non-Hermitian systems is one of the fastest growing and hot research topics. Some of the models have no direct analogy with the Hermitian counterparts and predict exotic topological phases which remained elusive in Hermitian systems but can be rather easily obtained in non-Hermitian systems. The scientific objects of the workshop are to gather widely recognized experts in the field to present and discuss groundbreaking work.

INVITED SPEAKERS

(In alphabetical order)

Gang Chen (the University of Hongkong)
Shuai Chen (University of Science and Technology of China)
Yu Chen (Capital Normal University)
Balazs Dora (Budapest University of Technology and Economics)
Chen Fang (Institute of Physics, CAS)
Liang Jin (Nankai University)
Kohei Kawabata (University of Tokyo)
Supeng Kou (Beijing Normal University)
Ray-Kuang Lee (National Tsing Hua University)
Guilu Long (Tsinghua University)
Zhong Wang (Tsinghua University)
Peng Xue (Beijing Computational Science Research Center)
Wei Yi (University of Science and Technology of China)
Zhenhua Yu (Sun Yat-sen University)
Hui Zhai (Tsinghua University)
Weiping Zhang (Shanghai Jiao Tong University)
Xiangdong Zhang (Beijing Institute of Technology)

PROGRAM COMMITTEE

Changpu Sun (CSRC)
Nan Zhao (CSRC)
Yong Li (CSRC)
Peng Xue (Chair, CSRC)

LOCAL ORGANIZING COMMITTEE

Peng Xue (gnep.eux@gmail.com)
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WORKSHOP SECRETARIAT

Yuan Gao (QPQI7@csrc.ac.cn, +86-10-56981720)

REGISTRATION

Scan the following QR code, fill in the Registration Form and submit by **Dec. 1, 2019**.



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