



# **“The Future of Topological Materials”**

## **October 2-5, 2019**

**Princeton University,  
Jadwin Hall, Fourth Floor, Room 407, PCTS Seminar Room**

After more than a decade since the first proposals of topological insulators, the theories and experiments of topological materials today have reached maturity. Some databases have been constructed for exhaustive search of topological materials, and we have a long list of topological material candidates. We are now moving to a new stage of research, to select and develop good topological materials for future applications and intriguing topological systems for scientific interests. The purpose of this workshop is to bring together researchers on topological materials, transport and spintronics to foster scientific collaborations, and to discuss future directions towards their applications. This workshop is co-organized by JST (Japan Science and Technology Agency).

### **Program Organizers**

Andrei Bernevig, Princeton University; Biao Lian, Princeton University; Shuichi Murakami, Tokyo Tech; Abhinav Prem, Princeton University; Takao Sasagawa, Tokyo Tech; Kenichi Uchida NIMS, Japan; Yizhi You, Princeton University

**FREE, but REQUIRED REGISTRATION is available online at**  
**<http://pcts.princeton.edu>**

### **Invited Speakers**

Haim Beidenkopf  
Joseph Checkelsky  
Xi Dai  
Dmitri Efetov  
Claudia Felser  
Gleb Finkelstein  
Johannes Gooth  
Tetsuo Hanaguri  
Sebastian Huber  
Ryo Iguchi  
Kyoko Ishizaka

Shinya Kasai  
Sadashige Matsuo  
Yoshio Miura  
Stevan Nadj-Perge  
Kosuke Nakayama  
N. Phuan Ong  
Joseph Orenstein  
Takao Sasagawa  
Leslie Schoop  
Shinichiro Seki  
Kenichi Shiozaki

Zhida Song  
Ady Stern  
Hideyuki Takahashi  
Nobuaki Terakado  
Masaki Uchida  
David Vanderbilt  
Haruki Watanabe  
Ali Yazdani  
Michael Zaletel  
Liyuan Zhang

**This is a joint program with the Japan Science and Technology Agency (JST)**