



THE FRANKLIN  
INSTITUTE  
*Awards*



College of Science  
and Technology

## THE TOPOLOGICAL INSULATING STATE: A NEW STATE OF MATTER

Symposium Honoring Charles Kane, Eugene Mele, and Shoucheng Zhang  
Recipients of the 2015 Benjamin Franklin Medal in Physics

### AGENDA:

WEDNESDAY, APRIL 22, 2015

9:00 AM-1:00 PM

SCIENCE, EDUCATION AND  
RESEARCH CENTER  
ROOM 116  
TEMPLE UNIVERSITY  
1925 N. 12<sup>th</sup> Street  
Philadelphia, PA



**9:00 am INTRODUCTION**

**9:15 am PROF. EUGENE MELE**  
University of Pennsylvania  
Loughborough University  
*The winding road to topological insulators*

**10:00 am PROF. CHARLES KANE**  
University of Pennsylvania  
*Topological band theory and beyond*

**10:45 am PROF. SHOUCHEG ZHANG**  
Stanford University  
*Topological insulators and quantum Hall effect*

**11:00 am Coffee Break**

**11:30 am PROF. ALI YAZDANI**  
Princeton University  
*Visualizing topological electronic states:  
Dirac, Majorana, and Weyl fermions in solids*

**12:15 pm PROF. JOEL MOORE**  
University of California, Berkeley  
*Connections between topological insulators and  
other problems in theoretical physics*

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