



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. 12th Street
Philadelphia, PA



9:00 am INTRODUCTION

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

9:50 am PROF. CHARLES KANE
University of Pennsylvania
Topological band theory and beyond

10:25 am PROF. SHOUCHEG ZHANG
Stanford University
*Topological insulators and quantum anomalous
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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