Sackler Prize Symposium on
Topological phases in condensed matter

Honoring the Recipients of the 2014 Raymond and Beverly Sackler Prize in the Physical Sciences

Wednesday, April 9, 2014
Melamed Auditorium (No. 6), Shenkar Physics Bldg, Tel Aviv University

Research Field for 2014:
Topological Phases in Condensed Matter

Prize recipients:

Prof. B. Andrei Bernevig, Department of Physics, Princeton University
Prof. Liang Fu, Department of Physics, Massachusetts Institute of Technology
Prof. Xiao-Liang Qi, Department of Physics, Stanford University

MORNING SESSION

Alexander Palevski, chair
Tel Aviv University, School of Physics and Astronomy
09:00–09:40
Ady Stern
“Engineered non-Abelian anyons beyond Majorana fermions”
Weizmann Institute of Science, Department of Physics
10:00–10:40
Eran Sela
“Quantum transport and topological phases in fractional helical wires”
Tel Aviv University, School of Physics and Astronomy
10:20–10:50
Coffee break

NOON SESSION

Moshe Goldstein, chair
Tel Aviv University, School of Physics and Astronomy
10:50–11:30
Netanel Lindener
“Light-induced topological phenomena”
Technion Israel Institute of Technology, Department of Physics

11:30–12:30
Student session:
Eran Maniv
“Evolution of the Fermi surface of a doped topological insulator with carrier concentration”
Tel Aviv University, School of Physics and Astronomy
Yuval Ronen
“Majorana fermions in superconductor semiconductor nanowire devices”
Weizmann Institute of Science, Department of Physics
Alon Ron
“Conductance quantization and anomalous magnetism in oxide interface based wires”
Tel Aviv University, School of Physics and Astronomy

12:30–14:00
Lunch Buffet: “Gan Hadekalim”

AFTERNOON SESSION

Yoram Dagan, chair
Tel Aviv University, School of Physics and Astronomy
14:00–14:30
Prize Ceremony
Joseph Klafter
TAU President, Presiding
14:30–15:20
B. Andrei Bernevig
“Topological states of matter”
Princeton University, Department of Physics
15:20–16:10
Liang Fu
“Topological materials”
Massachusetts Institute of Technology, Department of Physics
16:10–17:00
Xiao-Liang Qi
“Topological field theory description of topological states of matter”
Stanford University, Department of Physics

If you intend to participate, please send an appropriate Email to Nina Wolff at sacklerphy@gmail.com