

The Technion is honored to invite you to the 57th Meeting of the Israel Physical Society

IPS 2011

December 25th, 2011 | כ"ט בכסלו תשע"ב, ה' בחנוכה
 www.israelphysicalsociety.org | Contact: liz@physics.technion.ac.il

Opening plenary talk:

Prof. Robert Kirshner, Harvard | "Exploding Stars and the Accelerating Universe: Einstein's Blunder Undone"



- Professor of Science at the Harvard-Smithsonian Center for Astrophysics at Harvard University
- Author of The "Extravagant Universe: Exploding Stars, Dark Energy, and the Accelerating Cosmos" and member of the National Academy of Sciences since 1998
- President of the American Astronomical Society from 2004-2006

Closing plenary talk:

Prof. Dan Shechtman, Technion | "Quasi Periodic Materials, a Change of Paradigm"



- 2011 Nobel Laureate in Chemistry
- Distinguished Professor, Technion Department of Materials Engineering and holder of the Philip Tobias Chair in Materials Science
- Was all alone in the scientific world until his discovery was proven: quasi-periodic crystals do exist!

Review talks Shaul Hanany, Technion and University of Minnesota: Cosmic microwave background science in the coming decade
 Alexander Milov, Brookhaven National Laboratory: Hot and dense matter
 Kathryn Moler, Stanford University: Mesoscopic superconductivity
 Eva Y. Andrei, Rutgers University: Electronic properties of graphene
 Robert Pohl, Cornell University: Lattice vibrations of disordered solids
 Mordechai Segev, Technion: Anderson localization of light and beyond it

Sessions

Sessions

Applied Physics
 Astrophysics I
 Astrophysics II
 Biophysics
 Computational Physics
 Correlated Electrons and Superconductivity
 Disordered Systems
 High Energy Physics
 Material Physics
 Optics and Photonics
 Physics Teaching
 Plasma Physics
 Statistical Physics
 Topological Phases and Excitations
 Ultracold Atoms and Molecules

Session Chair

Rosenstock Zvi
 Behar Ehud
 Shaviv Giora
 Feingold Mario
 Adler Joan
 Auerbach Assa
 Schechter Moshe
 Tarem Shlomit
 Pazi Ehud
 Dudovich Nirit
 Raz Eli
 Shlapakovski Anatoli
 Kafri Yariv
 Gefen Yuval
 Vardi Amichay

Organizing Committee

Riess Ilan (Chair), Behar Ehud, Ben-Efraim Israel, Lipson Steve, Rozen Yoram, Yodim Liz.

Location

Technion City, Haifa
 Opening & Closing Plenary at: Room No. 280, Department of Electrical Engineering, Meyer Building.
 Other Sessions: Ullman Building.

Registration

Registration at 08:30
 Registration fees are: 425 NIS Faculty, 275 NIS for students, teachers and retired faculty. A discount of 50 NIS is given to anyone registering on line, until 15.12.2011.

Transportation

8:45, 8:50 shuttles from the train station
 Hof Carmel to the Mayer Building at the Technion
 19:00 shuttle back to Hof Carmel train station.

Scientific Advisory Committee

Adler Joan	Technion
Ben Jacob Eshel	TAU
Berkovits Richard	BIU
Cohen Doron	BGU
Dekel Avishai	HUJ
Feinberg Joshua	Oranim
Fishman Shmuel	Technion
Gefen Yuval	Weizmann
Imry Joe	Weizmann
Meir Yigal	BGU
Oz Yaron	TAU
Pazi Ehud	NRCN
Raz Eli	Braude
Shacham Shmuel	Ariel
Shimshoni Efrat	BIU