



מכון ויצמן למדע

WEIZMANN INSTITUTE OF SCIENCE

STATISTICAL MECHANICS DAY VIII

Monday 21 December 2015

09:30 to 16:20

Weizmann Institute of Science

Physics Building, Weissman Auditorium

- 09:00 – 09:30 *Coffee*
- 09:30 – 09:40 Opening Remarks – David Mukamel
- 09:40 – 10:00 Michael Aizenman, Princeton University
Topological roots of the fermionic structures seen in the 2D Ising model
- 10:00 – 10:20 Neri Merhav, Technion
Sequence Complexity and Work Extraction.
- 10:20 – 10:40 Guy Bunin, Technion
Collective effects in unentangled directed polymers
- 10:40 – 11:00 Ofer Zeitouni, Weizmann Institute
Extremes of log correlated fields
- Coffee Break*
- 11:30 – 11:50 Martin Evans, University of Edinburgh
Explosive condensation in nonequilibrium systems
- 11:50 – 12:10 Eli Barkai, Bar Ilan University
Infinite densities for bi-fractal diffusion
- 12:10 – 12:30 Doron Cohen, Ben-Gurion University
Percolation, sliding, localization and relaxation in topologically closed circuits
- 12:30 – 12:50 Ehud Altman, Weizmann Institute
Can fluids of light be superfluid ?

Lunch Break

- 14:00 – 14:20 Yael Roichman, Tel-Aviv University
Statistics of discrete motor-driven events in reorganizing active networks
- 14:20 – 14:40 Eli Sloutskin, Bar-Ilan University
Faceted liquid droplets grow tails: from surface topology to active motion.
- 14:40 – 15:00 Elsa Bayart, Hebrew University
Friction is fracture: frustrated cracks and slippery surfaces
- Coffee Break*
- 15:20 – 15:40 Nadav Shnerb, Bar-Ilan University
Spatial neutral dynamics
- 15:40 – 16:00 Haim Diamant, Tel-Aviv University
Fluctuations of particles and membranes inside polymer networks
- 16:00 – 16:20 Dov Levine, Technion
Unusual Fluctuations and Absorbing States

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