



מכון ויצמן למדע
WEIZMANN INSTITUTE OF SCIENCE

STATISTICAL MECHANICS DAY III

June 16, 2010

09:00 to 17:10

Weizmann Institute of Science

Physics Building, Weissman Auditorium

09:00 – 09:30	<i>Coffee</i>
09:30 – 09:40	Opening Remarks – David Mukamel
09:40 – 10:00	Stefano Ruffo, University of Firenze Quasi-stationary states in Hamiltonian mean-field dynamics
10:00 – 10:20	Eli Barkai, Bar Ilan University Single File Diffusion
10:20 – 10:40	Yacov Kantor, Tel Aviv University Statistical Mechanics of Elongated Hard Particles in One Dimension
10:40 – 11:00	Haim Taitelbaum – Bar Ilan University Persistence in reactive-wetting interfaces
	<i>Coffee Break</i>
11:30 – 11:50	S.A. Safran, Weizmann Institute Line activity of hybrid lipids: stabilization of membrane rafts?
11:50 – 12:10	Naama Brener, Technion Protein distributions in dividing cell populations
12:10 – 12:30	Oleg Krichevsky, Ben Gurion University Marginal Nature of DNA solutions.
12:30 – 12:50	Oded Farago, Ben Gurion University Fluctuation induced aggregation of adhesion sites in supported membranes

Lunch Break

- 14:00 – 14:20 Eran Sharon - Hebrew University
Inertial Waves as a Main Energy Transfer Mechanism in Rotating Turbulence
- 14:20 – 14:40 Gregory Falkovich, Weizmann Institute
Symmetries of turbulent state
- 14:40 – 15:00 Yael Roichman, Tel Aviv University
Non-equilibrium pair attraction between driven colloidal particles.
- 15:00 – 15:20 Eran Bouchbinder, Weizmann Institute
Nonequilibrium Thermodynamics of Glasses: The Kovacs Effect

Coffee Break

- 15:50 – 16:10 Reuven Cohen, Bar-Ilan University
Dynamic networks and directed percolation
- 16:10 – 16:30 Omri Gat , Hebrew University
Mode-locked laser pulse fluctuations.
- 16:30 – 16:50 Oded Agam, Hebrew University
Localized Rayleigh Instability in Evaporation Fronts
- 16:50 – 17:10 Shmuel Fishman, Technion
Anderson Localization for the Nonlinear Schroedinger Equation (NLSE): results and puzzles.

Organizing Committee :
Gregory Falkovich
David Mukamel

Coordinating Secretary :
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