

STATISTICAL MECHANICS DAY II

May 4, 2009 09:30 to 17:10 Weizmann Institute of Science Physics Building, Weissman Auditorium

09:30 - 09:40	Opening Remarks - David Mukamel
09:40 - 10:00	Baruch Meerson - Hebrew University Large fluctuations in stochastic populations
10:00 – 10:20	Isaac Goldhirsch -Tel-Aviv University Coarse graining for single realizations, elasticity, plasticity and the Cosserat problem
10:20 - 10:40	Jay Fineberg - Hebrew University Slip-stick: the destruction and resurrection of sliding surfaces
10:40 – 11:00	Moshe Schwartz -Tel Aviv University Response-correlation inequality in dynamical systems
	Coffee Break
11:30 – 11:50	Coffee Break Sam Safran - Weizmann Institute of Science Active response of biological cells to mechanical stress
11:30 – 11:50 11:50 – 12:10	Sam Safran - Weizmann Institute of Science
	Sam Safran - Weizmann Institute of Science Active response of biological cells to mechanical stress Eshel Ben-Jacob –Tel Aviv University

Lunch Break

14:00 – 14:20	Ido Kanter - Bar-Ilan University Public channel cryptography: chaos synchronization and Hilbert's tenth problem
14:20 – 14:40	Joseph Klafter - Tel Aviv University Strange kinetics of proteins
14:40 – 15:00	Ofer Biham - Hebrew University Stochastic analysis of complex reaction networks
15:00 – 15:20	David Kessler - Bar-Ilan University Sampling growing populations: family size statistics
	Coffee Break
15:50 – 16:10	Yitzhak Rabin - Bar-Ilan University Model of DNA bending by cooperative binding of proteins
16:10 – 16:30	Sorin Solomon - Hebrew University How do economies grow, how do they interract, how do they fall and how do they recover
16:30 – 16:50	Dov Levine - Technion Correlation length for amorphous systems
16:50 – 17:10	David Bergman - Tel Aviv University Strong-field magneto-transport in a composite medium: How simple can it get?

Organizers:

Prof. G. Falkovich, Prof. D. Mukamel, Weizmann Institute of Science

To help us plan the event please register by email:

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