

STATISTICAL MECHANICS DAY V

June 25, 2012 09:30 to 17:00 Weizmann Institute of Science Physics Building, Weissman Auditorium

09:30 - 09:40	Opening Remarks – David Mukamel
09:40 - 10:00	Nir Davidson, Weizmann Institute Phase synchronization of coupled lasers on complex networks
10:00 - 10:20	Ofer Feinerman, Weizmann Institute Ant particles (?)
10:20 - 10:40	Or Cohen, Weizmann Institute Density large-deviations of nonconserving driven models
10:40 – 11:00	Guy Bunin, Technion Rare events in driven diffusive systems – numerics and simple models
	Coffee Break
11:30 – 11:50	Coatt Vinkmatniak Habrary Hairyanaity
11.30 – 11.30	Scott Kirkpatrick, Hebrew University Inferring function from structure in communication networks
11:50 – 12:10	•
	Inferring function from structure in communication networks Neri Merhav and Yariv Kafri, Technion Bose–Einstein condensation in the large deviations regime with

Lunch Break

14:00 – 14:20	Erez Braun, Technion Protein fluctuations in a cell population: universality and collective modes
14:20 – 14:40	Jay Fineberg, Hebrew University Static friction coefficient is not a material constant
14:40 – 15:00	Shmuel Rubinstein, Weizmann Institute Bacterial biofilms: bugs can see the big picture
15:00 – 15:20	Yosi Yeshurun, Bar-Ilan University Broadening of the resistive transition in Y-Ba-Cu-O nano wires
	Coffee Break
15:50 – 16:10	D. Hurowitz, Ben Gurion University The non-equilibrium steady state of sparse systems with non-trivial topology
15:50 – 16:10 16:10 – 16:30	D. Hurowitz, Ben Gurion University The non-equilibrium steady state of sparse systems with non-