



מכון ויצמן למדע

WEIZMANN INSTITUTE OF SCIENCE

STATISTICAL MECHANICS DAY X

November 20, 2018

09:30 to 16:20

Weizmann Institute of Science

Physics Building, Weissman Auditorium

- 09:00 – 09:30 *Coffee*
- 09:30 – 09:40 Opening Remarks
- 09:40 – 10:00 Yoav Lahini – Tel-Aviv University
Crackling statistics sheds light on mechanisms for memory formation in an amorphous mechanical system
- 10:00 – 10:20 Yael Roichman – Tel-Aviv University
An experimental realization of an information machine with tunable temporal correlations
- 10:20 – 10:40 Yakov Kantor – Tel-Aviv University
Adsorption of ideal polymers to manifolds of distinct dimensions
- 10:40 – 11:00 Vadakke Veetil Prasad – Weizmann Institute
Velocity distribution of driven granular gases
- Coffee Break*
- 11:30 – 11:50 Stefano Ruffo – SISSA, Italy
Fluctuations in projective quantum measurements
- 11:50 – 12:10 Yariv Kafri - Technion
Long range interactions between bodies in an active fluid
- 12:10 – 12:30 Naftali Smith – Hebrew University
Landau theory of a dynamical phase transition of the Kardar-Parisi-Zhang interface
- 12:30 – 12:50 Marcello C. Strinati – Bar-Ilan University
Dynamics of coupled degenerate parametric oscillators beyond coupled Ising spins

Lunch Break

- 14:00 – 14:20 Eytan Katzav – Hebrew University
The microstructure of the giant component in configuration model networks
- 14:20 – 14:40 Yevgeny Bar-Lev – Ben-Gurion University
Emergent locality in long-range interacting systems
- 14:40 – 15:00 Stas Burov – Bar-Ilan University
Effective Potential for Cellular Size Control

Coffee Break

- 15:20 – 15:40 Doron Cohen – Ben-Gurion University
STIRAP through chaos: slow is bad for adiabaticity.
- 15:40 – 16:00 Zohar Ringel – Hebrew University
Information-theory and RG
- 16:00 – 16:20 Joseph Avron - Technion
Hall viscosity for the neophytes

Organizers : David Mukamel
Oren Raz

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