

Amnon Aharony's Legacy: Statistical Physics, Quantum Mechanics and Biology

A symposium celebrating Amnon Aharony's 70th birthday, and his induction into the Israeli Academy of Sciences

*March 4, 2013, Ben Gurion University
IKI Building 51. Auditorium 015*

Program

10:45 Opening, Zvi Hacoen, Rector

Morning Session, chairperson: Shmuel Fishman

11:00 Nernst Effect as a Signature of Quantum Fluctuations in Quasi-1D Superconductors, Efrat Shimshoni, Bar Ilan University

11:45 Response characteristics of sparse (glassy) networks, Doron Cohen, Ben Gurion University

12:30 Universal Protein Fluctuations in Cell Populations, Naama Brenner, The Technion

13:15 Lunch

Early Afternoon Session, chairperson: Yuval Gefen

14:15 Correlations in non-equilibrium Luttinger liquid and singular Fredholm determinants, Dima Gutman, Bar Ilan University

15:00 The non-equilibrium thermodynamics of a coherent quantum heat engine, Saar Rahav, The Technion

15:45 Coffe Break

Late Afternoon Session, chairperson: Lior Klein

16:15 Manipulating thermal transport in DNA nano-junctions, Yoni Dubi, Ben Gurion University

17:00 Fluctuations in the relaxation dynamics of mixed chaotic systems, Oded Agam, Hebrew University