



18:30 Friday 26 December 2014

8. Traditional International MIRROR CONFERENCE
Statistical and Condensed Matter Physics

- 18:30 **Success in Tennis: Performance and Popularity**
B. Yücesoy (Northeastern U), A.-L. Barabasi (Northeastern U)
- 18:40 **Effects of Chain Topology on Polymer-Brush Friction**
A. Erbaş (Northwestern U), J. Paturej (Leibniz Institut of Polymer Research Dresden)
- 18:50 **Experimental, Theoretical, and Computational Modeling of Common Vascular Diseases: Embolism and Occlusion**
O.S. Sariyer (U North Carolina), Y. Li (U Toronto), A. Ramachandran (U Toronto), S. Panyukov (P. N. Lebedev Physics Institute), M. Rubinstein (U North Carolina), E. Kumacheva (U Toronto)
- 19:00 **A Gripping Tale of Cellular Adhesion: Design Principles of Catch Bonds**
M. Hinczewski (Case Western Reserve U), S. Chakrabarti (U Maryland), D. Thirumalai (U Maryland)
- 19:10 **A Simple Method to Determine High-Accuracy Refractive Indices and the Related Optical Parameters via High-Resolution Birefringence Data**
Ş. Üstünel (ITU), H. Özbek (ITU), E. Kutlu (ITU), M.C. Çetinkaya (ITU, Piri Reis U)
- 19:20 **Study of Avalanche Sizes in a Model Exhibiting Dynamic Criticality**
M. İşeri (Boğaziçi U), M. Mungan (Boğaziçi U)
- 19:30 **Plant-Pollinator Webs - A Foray into Ecology and Population Dynamics**
M. Mungan (Boğaziçi U), H. Fort (U de la Republica, Uruguay)
- 19:40 **Coherent Regulation in Yeast's Cell-Cycle Network**
N. Aral (Koç U), A. Kabakçioğlu (Koç U)
- 19:50 **Functional Sites of Proteins from Coupling of Vibrational Modes**
A. Kabakçioğlu (Koç U), O. Varol (Koç U), D. Yüret (Koç U), B. Erman (Koç U)
- 20:00 **Chemical Reactivity Perspective into the Group 2 B Halides**
A.S. Özen (Piri Reis U), Z. Akdeniz (Piri Reis U)
- 20:10 **Growth of Metal Cubic Nanoparticles: An Atomistic View**
M. Konuk (ITU, Piri Reis U), S. Durukanoğlu (Sabancı U)
- 20:20 **Mechanisms of Molecular Motions on Metal Surfaces**
M. Madran (Sabancı U), M. Konuk (ITU, Piri Reis U), S. Durukanoğlu (Sabancı U)
- 20:30 **Odd q-State Clock Spin-Glass Models in Three Dimensions, Asymmetric Phase Diagrams, and Multiple Algebraically Ordered Phases**
E. İlker (Sabancı U), A.N. Berker (Sabancı U)
- 21:00 **Dinner at the Olympos Restaurant under the Galata Bridge on the Golden Horn**