

LÜTFEN DUYURU TAHTASINA ASINIZ

Sabancı
Universitesi

SABANCI UNIVERSITY
MINERVA PALAS
KARAKÖY Bankalar Caddesi no 2



18:00 Monday 23 December 2013

7. Traditional International "MIRROR CONFERENCE" Statistical and Condensed Matter Physics – Social Responsibility

- 18:00 **Cultural Diversity, Rights, and Gender: Struggling for a World Free of Violence and Discrimination**
A.G. Altınay (Sabancı U)
- 18:20 **A Study of Boundary and Shape Effects of the Critical Binder Cumulant: Instructive Observations from the Fluctuations of the Order Parameter and the Largest Fortuin-Kasteleyn Cluster**
A. Malakis (U Athens), N.G. Fytas (Coventry U), G. Gülpınar (Dokuz Eylül U)
- 18:30 **Cell-Cell Interactions and Patterns of Externally Guided Cell Migration**
C. Güven (U Maryland), J. Parker (U Maryland), C. Wang (U Maryland), E. Ott (U Maryland), W. Losert (U Maryland)
- 18:40 **A Simple Procedure for the Determination of Refractive Indices of Liquid Crystals from High-Resolution Optical Birefringence Data**
E. Kutlu (ITU), H. Özbek (ITU), Ş. Üstünel (ITU), M.C. Çetinkaya (ITU, Piri Reis U)
- 18:50 **An Upper-Bound on the Discontinuity at the Nematic-Smectic A Phase Transition in Polar Liquid Crystal 8CB: A High-Resolution Optical Birefringence Study**
M.C. Çetinkaya (ITU, Piri Reis U), S. Yıldız (ITU), H. Özbek (ITU), J. Leys (KU Leuven), P. Losada-Perez (Hasselt U), J. Thoen (KU Leuven)
- 19:00 **Ab Initio Calculations on the Molecular Trimers of ZnCl₂ and Other Group-2B Metal Dihalides**
Z. Akdeniz (Piri Reis U), A.S. Özen (Piri Reis U), R. Ruberto (U Messina), G. Pastore (U Trieste), M. Tosi (SNS Piazza)
- 19:10 **Simulated Raman Spectra of Cryolitic Melts by Ab Initio-Fitted Interaction Potential**
S. Çıkkıt (Haliç U), Z. Akdeniz (Piri Reis U), P.A. Madden (Oxford U)
- 19:20 **A New Classification of Compact Polymer Structures with Possible Application to DNA Packing**
A. Kabakçioğlu (Koç U), Murat Öztürk (Koç U)
- 19:30 **Consistency Properties for the Attractors of Boolean Gene Regulatory Networks**
N. Aral (Koç U), A. Kabakçioğlu (Koç U)
- 19:40 **Supercoiling in Overwound DNA: Diffusion and Hopping**
M. Öztürk (Koç U), A. Kabakçioğlu (Koç U), M. Sayar (Koç U)
- 19:50 **Are Dynamic Critical Phenomena Universal? A Case in Point**
M. Mungan (Boğaziçi U), D.C. Kaspar (UC Berkeley)
- 20:00 **The Role of Lattice Dynamics on the Thermal Properties of Cu-Ni Alloys**
B. Onat (ITU), S. Durukanoğlu (Sabancı U)
- 20:10 **Controlled Growth of Silver Nanoclusters: A Molecular Dynamics Study**
M. Konuk (ITU), S. Durukanoğlu (Sabancı U)
- 20:20 **Order and Chaos in Spin Glasses with Decaying Long-Range Interactions**
Y. Ezber (Boğaziçi U), A.N. Berker (Sabancı U)
- 20:30 **Critical Exponents and Chaos in Disappearing Spin Glasses**
M. Demirtaş (Sabancı U), A.N. Berker (Sabancı U)
- 20:40 **Interface Roughening Transitions in Presence of Interaction Disorder or Local Pinning Centers**
T. Çağlar (Sabancı U), A.N. Berker (Sabancı U)
- 20:50 **Overfrustrated and Underfrustrated Spin Glasses in d=3 and 2: Evolution of Phase Diagrams and Chaos, Including Spin-Glass Order in d=2**
E. İlker (Sabancı U), A.N. Berker (Sabancı U)
- 21:00 **High q-State Clock Spin Glasses in Three Dimensions and the Lyapunov Exponents of Chaotic Phases and Chaotic Phase Boundaries**
A.N. Berker (Sabancı U), E. İlker (Sabancı U)
- 21:30 **Dinner at the Olympos Restaurant under the Galata Bridge on the Golden Horn**