



**KADİR HAS  
UNIVERSITY  
Cibali  
(Haliç Metro station)  
İstanbul's historic  
neighborhood**



**19:00 Thursday 20 December 2018  
12. Traditional MIRROR CONFERENCE  
Statistical and Condensed Matter Physics – Social Responsibility**

- 19:00 **Günümüze Etkin Bir Üniversite Eğitim Modeli**  
**Sondan Durukanoğlu Feyiz (Kadir Has U)**
- 19:12 **Fractal Analysis of Orhan Pamuk 's Nobel Works**  
**Önder Pekcan (Kadir Has U), Taner Arsan (Kadir Has U), Şehnaz Şişmanoğlu (Kadir Has U)**
- 19:24 **Growth and Shape Stability of Cu-Ni Core-Shell Nano Particles**  
Efe İlker (Institut Curie Paris), Melihat Madran (Sabancı U), Mine Konuk (Piri Reis U), **Sondan Durukanoglu Feyiz (Kadir Has U)**
- 19:36 **Energetic and Topological Insights into the Molecular Clusters of Ionic Liquids**  
**Alimet Sema Özen (Piri Reis U), Zehra Akdeniz (Piri Reis U)**
- 19:48 **Quantum Phase Transitions in the Two-Dimensional XXZ Model**  
**Ozan Sarıyer (Piri Reis U)**
- 20:00 **Scaling Theory and Time Scales in Biological Signaling**  
**Aykut Erbaş (UNAM Bilkent U), M. Olvera de la Cruz (Northwestern U), John F. Marko (Northwestern U)**
- 20:12 **Exact Renormalization-Group Calculation of Local Densities in d-Dimensional Spin Glasses and Random-Hopping  $tJ$  Electronic Models**  
**Yunus Emre Bahar (Sabancı U), A. Nihat Berker (Kadir Has U; MIT)**
- 20:24 **Monte Carlo Capillary Electrophoresis**  
**Hakan Kaygusuz (Altınbaş U), F. Bedia Erim (ITU), A. Nihat Berker (Kadir Has U; MIT)**
- 20:36 **Fractal Spectrum of the Brain and of Music: Compared**  
**Bora Atalay (Kadir Has U), A. Nihat Berker (Kadir Has U; MIT)**
- 20:48 **Lower Lower-Critical Dimension of Spin Glasses from Continuously Variable Spatial Dimensional, Physically Realizable, Exactly Soluble Systems**  
Bora Atalay (Kadir Has U), **A. Nihat Berker (Kadir Has U; MIT)**
- 21:30 **Dinner at Restaurant to be announced in Historic Neighborhood**