

VIII. International Symposium on “Disordered Systems:
Theory and Its Applications”

01 - 09 September 2008
Karaburun – İzmir - Turkey

PROGRAM

1 September 2008 – Monday

- 14:00-18:00 Registration
- 16:00-18:00 Wellcome and Assignment Member of Workshops

2 September 2008 – Tuesday

- 10:30-12:30 Registration
- 12:30-14:00 Symposium Lunch
- 14:00-14:30 **Opening**
- 14:30-15:30 *“Noise: on the Constructive Limits of Knowledge”*
Eleonora Montuschi
London School of Economics and Political Science, UK
- 15:30-16:00 Coffee break
- 16:00-17:00 *“Dynamics and Thermodynamics of Systems with Long-Range Interactions- I”*
Andrea Rapisarda
University of Catania, Italy

3 September 2008 – Wednesday

- 09:30-11:00 *“Dynamics and Thermodynamics of Systems with Long-Range Interactions-II”*
Andrea Rapisarda
University of Catania, Italy
- 11:00-11:30 Coffee break
- 11:30-12:30 *“The Critical Effect”*
Haluk Berkmen
International Atomic Energy Agency
- 13:00-14:30 Symposium Lunch
- 15:00-17:00 Workshop-1: *“Theory, Model and Complexity” (I)*
Coordinator: **Hasan Tatlıpınar**
Yıldız Technical University, Turkey
- 17:00-17:30 Coffee break
- 17:30-19:00 *“Dynamics Inside the Feigenbaum Attractor”*
Lectures: Dynamical properties of critical attractors in low dimensional maps-I
Alberto Robledo
University of Mexico, Mexico
- 19:30- Mayor of Karaburun Municipality Cocktail

4 September 2007 – Thursday

- 09:30-11:00 *“Dynamics Outside the Feigenbaum Attractor”*
Lectures: Dynamical properties of critical attractors in low dimensional maps-II
Alberto Robledo
University of Mexico, Mexico
- 11:00-11:30 Coffee break
- 11:30-12:30 *“Analytical Signal Processing Aspects of Emergent EEG/MEG Brain Dynamics”*
R.Murat Demirer
University of Arkansas, USA
- 13:00-14:30 Symposium Lunch
- 15:00-17:30 Workshop-2: *“Statistical Mechanics Methods in High Energy Experiments” (I)*
Coordinator: **Ramazan Sever**
Middle East Technical University, Turkey
- 17:30-18:00 Coffee break
- 18:00-19:00 *“A Simulation Theory Critique on the Behavior of Cyborg”*
K. Gediz Akdeniz
İstanbul University, Turkey

5 September 2008 - Friday

- 09:30-11:00 *“The Intermittency and Quasiperiodicity Routes to Chaos”*
Lectures: Dynamical properties of critical attractors in low dimensional maps-III
Alberto Robledo
University of Mexico, Mexico
- 11:00-11:30 Coffee break
- 11:30-12:30 *“New Intervals of Metropolitan Lives and Architectures: Border-Line Situations & Critical-Cultural Cinematographic City Conceptions /5C”*
Ayşe Şentürer
İstanbul Technical University, Turkey
- 13:00-14:30 Symposium Lunch
- 15:00-17:00 Workshop-1: *“Theory, Model and Complexity” (II)*
Coordinator: **Hasan Tatlıpınar**
Yıldız Technical University, Turkey
- 17:00-18:00 *“A Computational Modelling of DYE Dilution in Flowing Blood”*
Mustafa Özbek
Celal Bayar University, Turkey
- 18:00-18:30 Coffee break
- 18:30-19:30 *“An Investigation of the Neural Pathways of Human Nervous System Using Frequency Based Analysis”*
Kemal Türker
Ege University, Turkey
- 20:30- Symposium Party

6 September 2008 – Saturday

- 09:30-12:30 Workshop-2: “*Statistical Mechanics Methods in High Energy Experiments*” (II)
Coordinator: **Ramazan Sever**
Middle East Technical University, Turkey
- 13:00-14:30 Symposium Lunch
- 15:00- Visit to old the mill of olive oil in Anbarseki Village
- 16:00-17:00 “*States of Consciousness in Relation to Material Reality*”
Günnur Başar
Galata Şifahanesi
- 17:00- Workshop Presentation of “Anbarseki Village 3K Theatre”

7 September 2008 – Sunday

Karaburun Peninsula – Trip Day

8 September 2008 – Monday

- 09:30-11:00 “*Why and How q -Statistics Manifests in the Dynamics at the Transition to Chaos?*”
Alberto Robledo
University of Mexico, Mexico
- 11:00-11:30 Coffee break
- 11:30-12:30 Workshop-1: “*Theory, Model and Complexity*” (III)
Coordinator: **Hasan Tathpınar**
Yıldız Technical University, Turkey
- 13:00-14:30 Symposium Lunch
- 15:00-18:00 Workshop-3: “*Complexity in Medicalphysics*” (*to be confirmed*) (I)
Coordinator: **Tamer Zeren**
Celal Bayar University, Turkey

9 September 2008 – Tuesday

- 09:30-10:30 “*Wisdom of Disorder*”
Ülker Onbaşlı
Marmara University, Turkey
- 10:30-11:30 “*Memory and Brain Power*”
Necip Kutlu
Celal Bayar University, Turkey
- 13:00-14:30 Symposium Lunch
- 15:30-17:30 Workshop-3: “*Complexity in Medicalphysics*” (*to be confirmed*) (II)
Coordinator: **Tamer Zeren**
Celal Bayar University, Turkey
- 17:30-18:00 Coffee break
- 18:00-19:30 “*Entropy - A Unifying Concept*”
Constantino Tsallis
Brazilian Research Center for Physics, Brazil - Santa Fe Institute, USA
- 19:30-20:00 **Closing Remarks**