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## Friday, July 30, 2010

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8:30-9:00	<b>Registration</b>	<b>Conference Hall</b>				
9:00-9:45	<b>Plenary Lecture 7</b> Conference Hall	<b>IHSAN BOUSTANI (GERMANY)</b> <i>Boron: the challenging element in Nanotechnology</i> CHAIR: Ziya B. Güvenc				
9:45-10:30	<b>Plenary Lecture 8</b> Conference Hall	<b>R.R. NIGMATULLIN (RUSSIA)</b> <i>New methods of analysis of complex systems: "reading" of a random sequence in terms of reduction parameters</i> CHAIR: D. Baleanu				
10:30-10:45	<b>Coffee Break</b>					
10:45-12.15	<b>Parallel Session 30</b> Conference Hall	<b>Parallel Session 31</b> AMFI 1	<b>Parallel Session 32</b> Blue Hall	<b>Parallel Session 33</b> AMFI 2	<b>Parallel Session 34</b> AMFI 3	<b>Parallel Session 34 A</b> AMFI 4
12:15-13:30	<b>Lunch</b>					
13:30-19:00	<b>Ankara Tour</b>					
19:00-21:00	<b>Dinner</b>					

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Friday, July 30, 2010		Parallel Section 30		PLACE- Conference Hall	
10:45-12.15	<b>Nanotechnology and Its Applications</b>				
	Chair	<b>Boon Leong Lan</b>	Co-chair	<b>Sezgin Aydin</b>	
10.45-11.20	<b>Boon Leong Lan,</b> Shiuan-Ni Liang	<i>Newtonian and general-relativistic predictions for the motion of a bouncing ball</i>			
11.20-11.50	<b>Mojtaba Amjadipour,</b> Ardeshir Karami Mohammadi	<i>Effect of vacancy defect on natural vibration of single walled carbon nanotube as ultrahigh nanoresonators</i>			
11.50-12.15	<b>Sezgin Aydin,</b> Mehmet Şimşek	<i>The mechanical properties of <math>CaX_6</math> (<math>X=B</math> and <math>C</math>)</i>			

Friday, July 30, 2010		Parallel Section 31		PLACE-AMFI 1	
10:45-12.15	<b>Nonlinear Science and Complexity 2</b>				
	Chair	<b>Jiazhong Zhang</b>	Co-chair	<b>Necati Özdemir</b>	
10.45-11.20	<b>Jiazhong Zhang,</b> Yan Liu	<i>Analysis of Nonlinear Dynamic on the Approximate Inertial Manifolds of Burgers Equation</i>			
11.20-11.50	<b>Nastaran Vasegh,</b> Maryam Fattahi	<i>Chaos Control of Generalized Ikeda Model with Time-Varying Delay</i>			
11.50-12.15	<b>Necati Özdemir,</b> Beyza Billur Iskender, Nihal Yılmaz Ozgur	<i>Complex Valued Neural Network With Möbius Activation Function</i>			

Friday, July 30, 2010		Parallel Section 32		PLACE- Blue Hall	
10:45-12.15	<b>Nonlinear Science and Complexity 3</b>				
	Chair	<b>Dumitru Baleanu</b>	Co-chair	<b>R. Sibatov</b>	
10.45-11.05	<b>Dumitru Baleanu,</b> Ali Khalili <b>Golmankhaneh,</b> Seyed Masoud Jazayeri	<i>Hamiltonian Structure of the Magnetic Field Lines</i>			
11.05-11.20	<b>Dumitru Baleanu,</b> Abdelouahab Kadem	<i>Convergence of the <math>SUT_{\{N\}}</math> approach of <math>\mathcal{C}_0</math> semigroups for steady state with the total cross section and scattering kernel not depending on the spatial variable</i>			
11.20-11.35	<b>Hadi Delavari</b>	<i>Adaptive Active Sliding Mode Control for Two-degree of Freedom Polar Robot</i>			
11.35-11.55	V.Uchaikin, <b>R. Sibatov</b>	<i>Fractional derivatives in cosmic ray astrophysics</i>			
11.55-12.15	Abdelouahab Kadem, <b>Dumitru Baleanu</b>	<i>Analytical Solution Of Transport Equation By The Tau Method</i>			

Friday, July 30, 2010		Parallel Section 33		PLACE- AMFI 2	
<b>10:45-12.15</b>	<b>Nonlinear Science and Complexity 4</b>				
	<b>Chair</b>	<b>Nikolaj Glazunov</b>	<b>Co-chair</b>	<b>Najah Al-Sadi</b>	
<b>10.45-11.05</b>	<b>Muhammet Koksal</b>	<i>Analysis of Four Element Chua Circuit Containing New Passive Component "Memristor"</i>			
<b>11.05-11.25</b>	<b>Najah Al-Sadi</b>	<i>Boundedness in L-topological spaces Part II: Separation axioms BLT2.5, BLT3 and BLT4</i>			
<b>11.25-11.55</b>	<b>Nikolaj Glazunov</b>	<i>Transformations, dynamics and complexity</i>			
<b>11.55-12.15</b>	<b>Seyit Temir</b>	<i>The phase diagram for Potts model with Competing Ternary and Binary Interactions on a Cayley Tree</i>			

Friday, July 30, 2010		Parallel Section 34		PLACE- AMFI 3	
<b>10:45-12.15</b>	<b>Mathematical Models in Engineering</b>				
	<b>Chair</b>	<b>António Lopes</b>	<b>Co-chair</b>	<b>Boudjema Bouzid</b>	
<b>10.45-11.05</b>	<b>Ali Madankan</b>	<i>Solution of the Nonlinear Problems with New Algorithm</i>			
<b>11.05-11.35</b>	<b>António Lopes</b>	<i>A Fast Dynamic Model for a Hexa-Type Parallel Manipulator</i>			
<b>11.35-11.55</b>	<b>Bouabaz Mohamed, M. Belachia, M. Mordjaoui, B. Boudjema</b>	<i>Expectation Maximization Clustering Algorithm for Use in Estimating Projects Costs</i>			
<b>11.55-12.15</b>	<b>Boudjema Bouzid, M. Mordjaoui, M. Bouabaz, R. Daira</b>	<i>Magnetic hysteresis modeling from measured</i>			

Friday, July 30, 2010		Parallel Section 34A		PLACE- AMFI 4	
	<b>Nonlinear Science and Complexity 4A</b>				
<b>10:45-12.15</b>	<b>Chair</b>	<b>Attila Kocsis</b>	<b>Co-chair</b>	<b>Waleed Raslan</b>	
<b>10.45-11.05</b>	<b>Waleed Raslan</b>	<i>Generalization of Hodgkin and Huxley Model Using Fractional Derivative</i>			
<b>11.05-11.35</b>	<b>Attila Kocsis, David Swigon</b>	<i>Modeling DNA stretching at the base-pair level</i>			
<b>11.35-11.55</b>	<b>Artem Baliakin</b>	<i>TBA</i>			
<b>11.55-12.15</b>	<b>Jakka Sarat Chandra Babu</b>	<i>Optimum Conditions of Coal Mill for Controlling Product Size</i>			