

Program Workshop Biodinamica

<u>Prima zi</u> Aspecte teoretice in Biodinamica					
Sesiunea de dimineata			Sesiunea de dupa-amiaza		
9.30-10.00		OPENING			
10.00-10.30	Andrei Ruckenstein	Towards an understanding of single gene transcription: molecular motors without Maxwell demons	14.00-14.30	Corneliu Balan	On the vortical structures of complex fluids in micro-channels
10.30-11.00	Zoltan Neda	Nontrivial synchronization of multimode stochastic oscillators	14.30-15.00	Tiberiu Cheche	Analytical approach for strain and piezoelectric potential in conical self-assembled quantum dots
11.00-11.30	Paul Dan Cristea	Nucleotide Genomic Signals: A Molecular Investigation Tool for Early Diagnosis and Detection of Pathogen Drug Resistance	15.00-15.30	Mircea Rusu	Aspects of pattern formation outside of equilibrium
11.30-12.00	Mihail Popescu	Confinement Effects on Diffusiophoretic Self-Propellers	15.30-16.00	Edmond Cretu	Adaptive microsystems in medicine - from hearing aids to minimally invasive surgery
12.00-12.30		ROUND TABLE	16.00-16.30	Vasile V.Morariu	Autoregressive description of natural phenomena
12.30-14.00		Lunch	16.30-17.00	Florin Munteanu	Astro-bio-geodynamics – a transdisciplinary approach to the Lovelock's Gaia hypothesis
			17.00-17.30		ROUND TABLE
<u>A doua zi</u> Aspecte experimentale in Biodinamica					
Sesiunea de dimineata			Sesiunea de dupa-amiaza		
9.30-10.00	Eugen Gheorghiu	Biodynamics: ways and means to appraise the interaction between selected environmental stimuli and biosystems of various hierarchies	14.00-14.30	Dumitru Popescu	Teoria lipozomului pulsatoriu
10.00-10.30	Silvana Andreescu	Environmental and Clinical Applications of Advanced Nanomaterials	14.30-15.00	Simion Astilean	Plasmonics-based novel nano-probes and nano-tools for biological and medical investigation
10.30-11.00	Vlad Brumfeld	Antenele in fotosinteza - QUO VADIS?	15.00-15.30	Grigore Damian	Aplicatii ale spectroscopiei rezonanta electronica de spin (RES) in Medicina si Biofizica
11.00-11.30	Theodor Paunescu	Rolul isoformelor subunitatii B a ATP-azei H ⁺ in secretia renala de protoni	15.30-16.00	Ralf Neuhror	Delayed Luminescence of Dry Seeds – Known Issues and Perspectives
11.30-12.30		ROUND TABLE	16.00-16.30	Irina Carpusca	EMIL (European Molecular Imaging Laboratories) Network of Excellence: experience of a collaborative European Project
12.30-14.00		Lunch	16.30-17.30		ROUND TABLE