

The International Conference DGDS-2008 & MENP-5
August 29 - September 02, 2008, Callatis High School, Mangalia, Romania
 – (post-conference effective programme) –

FRIDAY, August 29, 2008			
	OFFICIAL OPENING CEREMONY		Friday 10:15-10:45
COFFEE BREAK			
	Chairmen: D.G.Pavlov and C. Udriște		Sections A+B 11:00-13:00
1.	D.G. Pavlov	Space-time with metrics of Berwald-Moor	25'
2.	I. Mladenov	Geodesics on unduloids	25'
3.	V. Prepelită	Minimum energy transfer and controllability in a class of multidimensional continuous-discrete systems	25'
4.	O. Simionescu-Panait	Dynamics of strained/polarized solid media	25'
LUNCH BREAK			
	Chairmen: I. Mladenov and V. Balan		Section A 15:00-16:00
1.	B. Bidabad	Finsler spaces of positive constant curvature	15'
2.	B. Bidabad	A remark on the Gauss-Bonnet theorem in Finsler geometry	15'
3.	S. Froehlich, A. Dall'Acqua, H.-C. Grunau		Existence and regularity of rotationally symmetric Willmore surfaces
COFFEE BREAK			
	Chairman: V. Prepelită		Section B 15:00-16:00
1.	I. Comic	Subspaces of Hamilton spaces	25'
2.	I.E. Hirićă	On some pseudo-symmetric Riemann spaces	25'
COFFEE BREAK			
	Chairmen: B. Bidabad and G.T. Pripoae		Section A 16:10-17:30
1.	M. Tekkoyun	Complex dynamics effect on distributions	25'
2.	G.T. Pripoae, C.L. Pripoae	Geodesic vector fields on Lie groups	25'
3.	G.T. Pripoae, C.L. Pripoae	Generalized convexity, invexity and global optimization	15'
	Chairmen: O. Simionescu-Panait		Friday Section B 16:10-17:30
1.	M. Migdalovici, D. Baran	On a stability analysis method of dynamical systems with numerical tests	25'
2.	C. Udriște, C. Ghiu, L. Matei	Controllability, observability and bang-bang control for multitime linear PDEs	15'
3.	C. Udriște, V. Arsinte	Tzitzeica surface as minimum point of geometric functionals	10'
4.	C. Udriște, M. Ferrara	ODE-constrained optimal neoclassical growth	15'
5.	C. Udriște, V. Ciancio, A. Ciancio	Euler-Lagrange prolongations of Maxwell PDEs	15'
6.	C. Udriște, O. Dogaru, I. Tevy	Lagrangian 1-forms and Euler-Lagrange PDE	10'
	FESTIVE DINNER (Welcome Party – Restaurant Cireșica * Neptun)		19:30-22:00

POSTERS – FRIDAY, August 29, 2008, 16:15–17:00			
1.	R. Voicu	Ricci curvature and Weitzenbock formula on 3-dimensional Sasakian manifolds	Poster
2.	A. D. Vilcu, G. E. Vilcu	Normal semi-invariant 3-submersions	Poster
3.	A. Bejenaru	On some special conformal metric transformations on Riemannian manifolds	Poster
4.	C. Flaut, M. Ștefănescu	Some equations over generalized quaternion and octonion division algebras	Poster
5.	M. Dumitru	Gamma-rings: Some interpretations used in the study of their radicals	Poster
6.	C. Ciobanu, A.-R. Anghel	The computation of the added masses of ship's hull vertical vibrations in shallow waters	Poster
7.	L. Popescu	Lie algebroids and Poisson structures	Poster
8.	M. Orășanu	Flow in polar coordinates	Poster
9.	H. Orășanu	Spheres and nonholonomy	Poster
SATURDAY, August 30, 2008			
	Chairmen: J. Sadeghi and I. Hirićă		Sections A+B 9:00-10:00
1.	Y. Matsuyama	On parallel submanifolds of a space form	25'
2.	I.D. Albu, D. Opris	The geometry of the fractional tangent bundle and applications	25'
<i>COFFEE BREAK</i>			
	Chairmen: Y. Matsuyama and O. Olteanu		Sections A+B 10:30-11:30
1.	O. Olteanu, C. Radu	Moment problems on unbounded subsets of $\mathbb{R}^n$ and some applications	25'
2.	M. Emami, H. Zohoor, S. Sohrabpour	Solving of a family of high order nonholonomic constrained systems using Gibbs-Appell Method	25'
<i>LUNCH BREAK</i>			
	Chairmen: I. Comic and M. Olteanu		Section A 15:00-16:30
1.	Gh. Atanasiu, M. Neagu	Distinguished torsion, curvature and deflection tensors in the multi-time Hamilton Geometry	25'
2.	Gh. Atanasiu, M. Neagu	Canonical nonlinear connections in the multi-time Hamilton Geometry	15'
3.	A. M. Blaga	Geometric structures on k -symplectic manifolds	15'
4.	C.-E. Hrețcanu, C.-I. Hrețcanu	On some Riemannian manifolds with induced structures	15'
<i>COFFEE BREAK</i>			
	Chairmen: M. Tekkoyun and Gh. Ivan		Section B 15:00-16:30
1.	M. Ștefănescu	Algebraic hyperstructures and geometry	25'
2.	C. Roșoreanu, M. Sterpu	Stability and Hopf bifurcation in a nonlinear IS-LM model with time delay	15'
3.	O. Chiș, D. Opris	Synchronization and cryptography using chaotic dynamical systems	15'
4.	D. Deac, M. Neamtu, D. Opris	The dynamical model with discrete time and consumer sentiment	15'
<i>COFFEE BREAK</i>			

	Chairmen: A. Amani and Gh. Atanasiu		Saturday Section A 16:40-19:00
1.	M. Ghezelbash, M. R. Pahlavani, J. Sadeghi	The solution of generalised Woods-Saxon potential with the angular momentum	15'
2.	J. Sadeghi	Supersymmetry approaches to the fermion exctations of a tense brane black hole	15'
3.	S.Ersoy, M.Tosun	On the sectional curvatures of the time-like generalized ruled surface in R^2_1	15'
4.	M. Ivan, Gh.Ivan, D. Opriş	Fractional differential systems associated to Toda lattice	15'
5.	M. Popescu, P. Popescu	Lagrange and Hamilton structures and foliations	25'
6.	V. Nimineţ	Lagrange geometry and control of nonholonomic mechanical systems	15'
	Chairmen: I.D. Albu and St. Mititelu		Section B 16:40-19:00
1.	V. Obădeanu, M. Ciobanu	Geometrical objects and structures associated to some dynamical systems II	15'
2.	Şt. Mititelu	Optimality and duality for multi-time control problems with invexity	15'
3.	Şt. Mititelu	Extensions in invexity theory	15'
4.	J.M. Mihăilă	Sur les problemes de type Markov et Sharafutdinov dans la Theorie des Moments	15'
5.	T.-L. Costache, M. Olteanu, M. Zamfir	A note on the spectrum of convolution operators	15'
6.	C. Georgescu, M. Olteanu	A note on an ODE model with applications in the innate immunity system	15'
7.	P. Flondor, M. Olteanu, C. Vasilescu, R. Dobrescu	A mathematical model for endotoxin tolerance	15'
	Meeting of the <i>BALKAN SOCIETY OF GEOMETERS</i>		19:10-19:40

SUNDAY, August 31, 2008

POSTERS – SUNDAY, August 31, 2008, 9:00–9:30

1.	G. Bercu, M. Postolache	A class of self-concordant functions on Riemannian manifolds	Poster
2.	C. Udrişte, Şt. Mititelu, A. Pitea, L.Necula	Dual PDE constrained optimization problems	Poster
3.	V. Balan, A. Pitea	Symbolic software for Y-energy extremal Finsler submanifolds	Poster
4.	V. Balan, A. Manea	Leafwise 2-jet cohomology on foliated Finsler manifolds	Poster
5.	M. Croitoru	The ellipse, the hyperbola and the metric parabola (in Romanian)	Poster

	Chairmen: S. Froehlih and V. Păun		Sunday Section A 9:00-10:15
1.	A. Amani, J. Sadeghi	Factorization method in tachyonic field system	25'
2.	A. Kopylov	A rigidity condition for the boundary of a submanifold in a Riemannian manifold	25'
3.	V. Atanasiu	The applications of the credibility models	15'

COFFEE BREAK

	Chairmen: M. Craiu and C. Târcolea		Section B 9:00-10:15
1.	M. Craiu	Parametric estimation of conditional copulas	25'
2.	C. Târcolea, A. Paris, A. Demetrescu –Târcolea	Statistical methods applied for classification of material	15'
3.	C. Târcolea, A. Paris, C. Andreescu	A comparison of reliability models	15'

COFFEE BREAK

	Chairmen: A. Kopylov and P. Popescu		Sunday Section A 10:30-12:30
1.	V. Balan, M. Crane, V.Patrângenaru, X. Liu	A digital imaging based nonparametric test for planarity of a 3d scene	15'
2.	V. Balan, I.R.Nicola	Structural stability of conformally-deformed locally-Minkowski geodesic SODE	15'
3.	G.L. Odobescu	The mathematical analyzer of same aspect about efficiency in case of a high power ultrasonic system having miscellaneous adaptation system between electronic generator and piezoelectric transducer	15'
4.	E.C. Cipu	Numerical study for two point boundary problems in nonlinear fluid mechanics	15'
5.	V.P. Păun, C. Udriște, C. Pătrășcoiu	Analytical model for a good prediction of the erosion process	15'
6.	V.P. Păun, M. Olteanu	Time series associated to ceramic materials	15'
	Chairmen: C.L. Bejan and R. Bercia		Section B 10:30-12:30
1.	H. Culețu	On the kinematic parameters for a time dependent cosmological fluid	15'
2.	I. Meghea	Some results obtained in dynamic systems via Ekeland principle	15'
3.	R. Zamfir	Bounds for the real part of polynomial roots	15'
4.	R. Bercia	Elastic stresses around lamellar inclusions	15'
5.	C. Bercia	A bifurcation study for a ratio-dependent food chain model	15'
6.	C.-L. Bejan	Complex manifolds of quasi-constant holomorphic sectional curvature	15'
	OFFICIAL CLOSING CEREMONY		12:40 -13:10
	FAREWELL PARTY (BANQUET – <i>Restaurant Rose-Marie * Mangalia</i>)		19:00 - late night