The X-th International Conference of Differential Geometry and Dynamical Systems

(DGDS-2016)

29 August - 2 September 2016, Callatis High School * Mangalia - Romania

Conference program * [31.08.2016]

MONDAY, 29 August 2016		
Registration	*Location: The Callatis High-School - Mangalia - the registration desk*	**9:00-13:00**
Coffee break		**13:00-13:20**
Opening ceremony	*Location:* **Room A**	**13:20-14:00**

MONDAY, 29 August 2016 (afternoon session)		
Chairman: Eberhard Malkowsky		**14:00-15:45**
1.	*Second order tangent bundles and Geometric Mechanics - an alternative approach*, Ali Suri	30' +5'
2.	*On the inertia of quadratic self-adjoint matrix polynomials*, Valeriu Prepeliţă, Tiberiu Vasilache, Mona Doroftei	30' +5'
3.	*Elastic strips with pseudo-null directrix*, Gozde Ozkan Tukel, Ahmet Yucesan	30' +5'
Welcome Party **"La Puiu"** *Restaurant * traditional Romanian food*		**19:00-22:00**

	TUESDAY, 30 August 2016 * Plenary session (Room A)	
	Chairman: Valeriu Prepeliţă	**9:00-11:30**
1.	*Complete integrability of geodesics in toric Sasaki-Einstein space $T^{1,1}$ and action-angle variables*, Mihai Vişinescu	25' +5'
2.	*Busemann G-spaces with non-positive curvature as singular Finsler spaces*, Pavel Andreev	25' +5'
3.	*On some solvability aspects for the Schroedinger and Dirac equations in 2+1 and 3+1 dimensional spaces*, George Krylov	25' +5'
4.	*Pseudo-Finsler geometry modeling of Langmuir monolayer with edge*, Halina Grushevskaya, Nina Krylova, George Krylov	25' +5'
5.	*Spin 1/2 particle with anomalous magnetic moment in external fields (uniform magnetic and electric, or Coloumb): exact solutions and physical effects*, Elena Ovsiyuk, Olga Veko, Yana Voynova, Vasiliy Kisel, Viktor Red'kov	25' +5'
	COFFEE BREAK - 15'	

	TUESDAY, 30 August 2016 (Section session)		
A	**Chairman: George Krylov**	**Section A**	**11:45-13:00**
6.	*Spin 1 particle in external magnetic field: Petiau-Duffin-Kemmer formalism, projective operators, exact solutions, anomalous magnetic moment*, Vasiliy Kisel, Elena Ovsiyuk, Olga Veko, Yana Voynova, Viktor Red'kov		20' +5'
7.	*Bolyai-Lobachevsky geometrical simulation of a media acting as an ideal mirror on the particles of Schrodinger-Dirac-Maxwell's types*, Olga Veko, Elena Ovsiyuk, Vladimir Balan, Viktor Red'kov		20' +5'
8.	*Spectral properties of the Finslerian multilinear symmetric forms in the physics of Blodgett-Langmuir monolayers*; Vladimir Balan, Halina Grushevskaya and Nina Krylova		20' +5'
B	**Chairman: Vesna Velickovic**	**Section B**	**11:45-13:00**
6.	*A Rosen type bi-metric universe and its physical properties*, Wladimir Georges Boskoff		20' +5'
7.	*Some remarks on the product of Golden Structure*, Cristina-Elena Hreţcanu		20' +5'
8.	*Riemann-Lagrange geometric dynamics for the multi-time magnetized non-viscous plasma*, Mircea Neagu		20' +5'
	General Assembly of the Balkan Society of Geometers		20'

WEDNESDAY, 31 August 2016 * Plenary session (Room A)

	Chairman: Viktor Red'kov	9:00-11:30
1.	*On some results using measures of non-compactness*, Eberhard Malkowsky	25' +5'
2.	*Visualization of neighbourhoods in certain topologies*, Vesna Velickovic	25' +5'
3.	*Riemannian optimal control*, Andreea Bejenaru, Constantin Udriște	25' +5'
4.	*Stochastic accessibility along posynomial distributions*, Teodor Țurcanu, Constantin Udriște	25' +5'
5.	*Classification of contact structures on the complex indicatrix*, Elena Popovici	20' +5'

COFFEE BREAK - 15'

WEDNESDAY, 31 August 2016 August 2016 (Section session)

A	Chairman: Pavel Andreev	Section A	11:45-13:00
6.	*Evolution of Tzitzeica hypersurfaces*, Constantin Udriște, Ionel Țevy, Saad Abbas Abed, Ali Sapeeh Rasheed		20' +5'
7.	*Geometric programming approaches of reliability allocation*, Constantin Udriște, Saad Abbas Abed, Ionel Țevy		20' +5'
8.	*Barrier algorithm for optimization on manifolds with affine connections*, Constantin Udriște, Ali Sapeeh Rasheed, Ionel Țevy		20' +5'

B	Chairman: Andreea Bejenaru	Section B	11:45-13:00
6.	*Discrete recurrences and Floquet Theory in multitime framework (PhD Thesis - summary)*, Raluca Tuligă (Coadă)		20' +5'
7.	*Some properties of concircular transformations of Kahler manifolds*, Iulia Elena Hirică		20' +5'
8.	*Family of groups on Descartes Folium. I*, Adrian Constantinescu, Steluța Pricopie, Constantin Udriște		20' +5'

WEDNESDAY, 31 August 2016 (Morning Poster session) * h. 11-13:50

1.	*Invariant, anti-invariant and slant submanifolds of a para-Kenmotsu manifold*, Adara Monica Blaga
2.	*Motion of charged particle in magnetic field created by electrical circuits*, Adriana Calotă, Nona Crăciun
3.	*Adapted metrics and connections for vector fields*, Gabriel-Teodor Pripoae
4.	*On the discrete version of Linear Quadratic Games*, Elena Laura Otobîcu, Andreea Novăcescu

Conference Closing Ceremony	13:00-13:15

THURSDAY and FRIDAY, 2-3 September 2016

Social events days * *The chosen activities are ordered on demand at the registration desk.*