

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

(DGDS-2018)

30 August - 2 September 2018, Callatis High School * Mangalia - Romania

Effective Conference program

[5.09.2018]

THURSDAY, 30 August 2018		
Registration	<i>Location: The Callatis High-School - Mangalia - the registration desk</i>	9:00-13:00
Coffee break		13:00-13:20
Opening ceremony	<i>Location: Room A</i>	13:20-13:30
THURSDAY, 30 August 2018 (afternoon session)		
	Chairman: Ricardo Almeida and Piotr Mormul	15:00-17:30
1.	<i>Optimal control problems in Differential Geometry, Constantin Udriște</i>	25' +5'
2.	<i>Multitime optimal control applied to resource economics, Constantin Udriște, Ionel Țevy</i>	25' +5'
3.	<i>Noether symmetries in presence of nonlinear nonholonomic constraints, Paul Popescu, Marcela Popescu</i>	25' +5'
4.	<i>Fractional differential equations with some applications, Ricardo Almeida</i>	25' +5'
5.	<i>Nilpotent algebras hidden in Monster Tower, Piotr Mormul</i>	25' +5'
Welcome Party * "Lebăda" Restaurant * Traditional Romanian food		19:00-22:00

FRIDAY, 31 August 2018 * Plenary session

Chairman: Vladimir Rovenski and Cornelia Livia Bejan		9:00-11:30
1.	<i>On the volume of Sasakian manifolds</i> , Oliver Goertsches, Hiraku Nozawa, and Dirk Töben	25' +5'
2.	<i>Modeling of gene network functioning by dynamical systems</i> , Vladimir Golubyatnikov	25' +5'
3.	<i>The new Minkowski norm and integral formulae for a manifold with a set of one-forms</i> , Vladimir Rovenski	25' +5'
4.	<i>Integrability of the geodesic flow on the resolved conifolds over Sasaki-Einstein space $T^{1,1}$</i> , Mihai Vişinescu	25' +5'
5.	<i>Some metrics on the tangent bundle of a Weyl manifold</i> , Cornelia-Livia Bejan, Ilhan Gul	25' +5'
COFFEE BREAK – 15'		

FRIDAY, 31 August 2018 (Section session)

A	Chairman: Viktor Redkov and George Krylov	Section A	11:45-13:45
6.	<i>Spin 1 particle with polarizability in the external Coulomb field, nonrelativistic description</i> , Elena Ovsiyuk, Olga Veko, Yanina Voynova, Viktor Red'kov		20' +5'
7.	<i>Stability issues and KCC geometric objects for the system describing a spin 1 particle in the Coulomb field</i> , Elena Ovsiyuk, Olga Veko, Yanina Voynova, Vasily Kisel, Vladimir Balan, Viktor Red'kov		15' +5'
8.	<i>Non-trivial topological properties of quasi-relativistic model of graphene</i> , Halina Grushevskaya and George Krylov		20' +5'
9.	<i>Pseudo-Finsler geometro-thermodynamical model of two-dimensional phase transition of the first order with domain-wall distortion under collisions</i> , Nina Krylova, Halina Grushevskaya, Vladimir Balan, George Krylov		20' +5'
10.	<i>Geometro-thermodynamic model of cosmological first-order phase transition with axially symmetric metric</i> , Halina Grushevskaya, Nina Krylova		20' +5'
B	Chairman: Ram Shankar Gupta and Vasyl Fedorchuk	Section B	11:45-13:20
6.	<i>On classification of some non-singular manifolds in the space $M(1,3) \times R(u)$ and symmetry reduction of the eikonal equation</i> , Vasyl Fedorchuk, Volodymyr Fedorchuk		20' +5'
7.	<i>Hamilton Ricci flow, Riemann flow and associated geometric dynamics</i> , Iulia Elena Hirićă, Constantin Udrişte		25' +5'
8.	<i>Hypersurfaces in E^{m+1} satisfying $\Delta H = \lambda H$</i> , Ram Shankar Gupta		20' +5'
General Assembly of the Balkan Society of Geometers			20'

SATURDAY, 1 September 2018 * Plenary session (Room A)

	Chairman: Eberhard Malkovsky and Gabriel Pripoae	9:00-10:30
1.	<i>Measures of noncompactness and their applications</i> , Eberhard Malkovsky	25' +5'
2.	<i>Invariant connections on Lie groups</i> , Gabriel Pripoae	25' +5'
3.	<i>Hyperbolic second-order partial differential equation-based model for structural interpolation</i> , Tudor Barbu	25' +5'
<i>COFFEE BREAK - 15'</i>		

SATURDAY, 1 September 2018 * Plenary session (Room A)

	Chairman: Constantin Udriște and Paul Popescu	10:45-13:00
4.	<i>New examples and new constructions for skew-symmetric algebroids</i> , Paul Popescu, Marcela Popescu	25' +5'
5.	<i>Properties of the fundamental Finsler function</i> , Constantin Udriște, Ionel Tevy, Ali Sapeeh Rasheed	25' +5'
6.	<i>Roots of economic black holes</i> , Constantin Udriște, Massimiliano Ferrara, Ionel Tevy	25' +5'
7.	<i>Anti-MANOVA and applications</i> , Hwiyoung Lee, Vladimir Balan and Victor Pătrăngenaru (communicated by Constantin Udriste)	10' +5'
8.	<i>Discussions</i>	30'
9.	<i>Celebration of Prof.Dr. Vladimir Golubyatnikov's birthday</i>	
Conference Closing Ceremony		13:45-14:00

SUNDAY 2 September 2018

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