The XI-th International Conference "Differential Geometry and Dynamical Systems"

12-15 October 2017, University Politehnica of Bucharest - Romania

THURSDAY, 12 October 2017 * First Conference Day **Registration: [h. 9:00-10:00] * Floor 4 * Room R-412 / Rectorate Building**		
[Thursday] The morning session [h. 10-13] * Location: Senate Room (floor 2, Rectorate building)		
		10:00-10:30
1. *Celebration of the 90-th anniversary of the Romanian geometer Acad. Radu Miron* *"Academician RADU MIRON at ninety"*; Mihai Anastasiei, Vladimir Balan and Constantin Udrişte 2. *Opening ceremony*		**15'** **15'**
COFFEE BREAK - 30'		
Chair: Tadashi Aikou and Tetsuya Nagano		**11:00-13:00**
1.	Integral formulas for a metric-affine manifold with two complementary orthogonal distributions; Vladimir Rovenski	**25' +5'**
2.	Curvature and holonomy in 4-dimensional manifolds; Graham Hall	**25' +5'**
3.	On linear parallel displacement and geodesics in Finsler space; Tetsuya Nagano.	**25' +5'**
4.	Some remarks on conformal Finsler metrics; Tadashi Aikou	**25' +5'**
LUNCH BREAK - 2 h.		
[Thursday] The afternoon session [h. 14:30-17:30] * Location: Senate Room (floor 2, Rectorate building)		
Chair: Vladimir Rovenski		**15:00-16:30**
5.	Complete submanifolds of space forms and an application of Bochner formula; Yoshio Matsuyama, Absos Ali Shaikh, Mohammad Hasan Shahid, Mohammed Jamali and Shogo Suzuki	**25' +5'**
6.	On strong summability and convergence, Eberhard Malkowski	**25' +5'**
7.	Gaussian and mean curvatures of potential surfaces, Vesna Veličković	**25' +5'**
Chair: Tran Quoc Binh and Eberhard Malkowski		**16:30-17:30**
8.	The geometry of a century and its applications - Finsler Geometry; Feri Klepp.	**25' +5'**
9.	On contact CR-warped product submanifolds of a quasi-Sasakian manifold, Tran Quoc Binh and Avic De	**25' +5'**
Ending Session COFFEE		

FRIDAY, 13 October 2017 **[Friday] The morning session [h. 9:00-12:10] * Location: the BN hall * Floor 1 * Room BN-134**		
	Chairman: Massimiliano Ferrara and Vladimir Balan	**9:00-10:30**
1.	Curvature energies extremals and their evolution surfaces, Oscar Jesus Garay	**25' +5'**
2.	On the local kinetics component of biological systems in competition; Armando Ciancio and Bruno Felice Filippo Flora	**25' +5'**
3.	Extension and decomposition of linear operators dominated by continuous increasing sublinear operators; Octav Olteanu and Janina Mihaela Mihăilă.	**25' +5'**
	COFFEE BREAK - 30'	
	Chairman: Armando Ciancio and Oscar Jesus Garay	**11:00-12:30**
4.	Continuous time economic growth models with time delays and environmental issues; Massimiliano Ferrara.	**25' +5'**
5.	A motion evasion differential game of many pursuers and evaders with integral constraints; Massimiliano Ferrara and Bruno Antonio Pansera.	**25' +5'**
6.	Selection principles and related properties, Bruno Antonio Pansera.	**25' +5'**
	LUNCH BREAK - 2h. 30'	
	[Friday] The afternoon session [h. 15:00-18:00] * Location: the BN hall * Floor 1 * Room BN-134	
	Chair: Bruno Antonio Pansera and Bruno Felice Flora	**15:00-18:00**
7.	On the classification of almost paracontact metric manifolds; Galia Nakova and Simeon Zamkovoy.	**25' +5'**
8.	Barycenter-generated structures associated with almost quaternionic and almost coquaternionic structures; Milen Hristov.	**25' +5'**
9.	On Einstein manifolds with positive scalar curvature, Cornelia Livia Bejan.	**25' +5'**
10.	On certain geometric Riemann flows; Iulia Elena Hirică .	**25' +5'**
11.	Antiregression on manifolds with an application to 3D projective shape analysis; Vladimir Balan, Yifang Deng, Vic Pătrăngenaru	**25' +5'**
12.	Spectral Cartan properties of a Randers-type Finsler space; Vladimir Balan, Jelena Stojanov	**25' +5'**
	*** General Assembly of the Balkan Society of Geometers ***	**20'**
	*** *Welcome Party* [h.19-late night]***	

SATURDAY, 14 October 2017

[Saturday] The morning session [h. 9:00-12:30] * Location: the BN hall * Floor 1 * Room BN-134

	Chairman: Vesna Veličković and Milen Hristov	9:00-12:30
1.	Strong nilpotency in monster towers, Piotr Mormul.	30' +5'
2.	A geodesic connection in Frechet geometry; Ali Suri	30' +5'
3.	Conformal maps between pseudo-Finsler spaces; Nicoleta Voicu.	30' +5'
4.	Metrics and connections associated to vector fields; Gabriel Teodor Pripoae	30' +5'
5.	Discrete multivariate optimal control; Andreea Bejenaru and Monica Pîrvan	30' +5'
6.	*Z*-operators and *S*-operators related to a finite measure space, Viorel Catană	30' +5'

[Saturday] Poster session: 9:00-12:30

P1.	Quasi-Mücket-Treder potential field; Diana Rodica Constantin, Valentin Niculescu, Dumitru Pricopi, Agneta Anthoaneth Mocanu, Erika Varga-Verebelyi	***
P2.	Bilevel disjunctive optimization on affine manifolds, Constantin Udrişte, Henri Bonnel, Ionel Tevy, Ali Sapeeh Rasheed	***
P3.	Reliability allocation via optimal control problems, Constantin Udrişte, Saad Abbas Abed, Ionel Ţevy	***
P4.	On describing bound states for a spin 1 particle in the external Coulomb field; Elena Ovsiyuk, Olga Veko, Yanina Voynova, Artem Koral'kov, Vasily Kisel, Viktor Red'kov	***
P5.	Spin 1/2 particle with two masses in magnetic field; Elena Ovsiyuk, Olga Veko, Yanina Voynova, Vasily Kisel, Vladimir Balan, Viktor Red'kov	***
P6.	Geometric interpretation of mean time to failure of equivalent reliability polynomials, Emad Kareem Mutar, Zahir Abdul Haddi Hassan, Vladimir Balan	***
P7.	Berwald linear connections and linearizations in higher order geometry; Paul Popescu and Marcela Popescu	***
P8.	A jerk model with friction for the speed produced by an induction motor drive system, Paul Popescu, Petre-Marian Nicolae, Radu-Florin Marinescu, Marian-Ştefan Nicolae	***
P9.	Motion of charged particle in magnetic field created by electrical circuits; Adriana Calotă	***

Conference Closing Ceremony [12:30-13:00] Room BN-134 * Photos

SUNDAY, 15 October 2017 * Cultural program - Bucharest tour * on demand