

# "Angheluță Conference 2016" Technical Program

Tuesday, July 5

Room A				Room B		
Time	Speaker	TALK	Chairman	Speaker	TALK	Chairman
08:45	* Opening ceremony					
09:00	Francesco Altomare	On a class of initial-boundary value differential problems on $[0,1]$ related to generalized Kantorovich operators	I. Gavrea			
09:45	Mohsen Razzaghi	Orthogonal functions and hybrid approximations in calculus of variations and control theory				
10:30	* Break					
10:50	Janusz Brzdek	Fixed points of some nonlinear operators in the spaces of multifunctions	I. Rasa	Ovidiu Furdui	Series involving tails of Riemann zeta function values	D. Ghisa
11:10	Bogdan Gavrea	Time stepping schemes for a class of hybrid dynamical systems		Luminita Cotirla	Properties of the analytic functions defined by an integral operator	
11:30	Radu Precup	Positive standing wave solutions for Schrodinger equations with oscillating state-dependent potentials		Emilia-Loredana Pop	Some applications for scalar and vector optimization problems	
11:50	Alexandru Mitrea	Double condensation of singularities for a class of product quadrature rules of interpolatory type on Jacobi nodes		Liana Timbos	Duality for an extended equilibrium problem	
12:10	Nursel Çetin	Some results on Jain type operators		Maria Anastasia Jivulescu	Some decompositions of positive operators related to quantum information theory	
12:30	Neculae Vornicescu	A new elementary proof of Arzela's theorem for the Riemann integrable functions				
13:00	* Lunch					

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Time	Speaker	TALK	Chairman	Speaker	TALK	Chairman
15:00	Octavian Agratini	On modified Picard and Gauss linear positive operators	O. Furdui	Mircea Dan Rus	The contraction mapping principle: beyond metric spaces and back	I. R. Peter
15:20	Gulen Bascanbaz-Tunca	A new generalization of Lupas operators		Daniela Marian	Some generalized monotone operators	
15:40	Alina Barbulescu	On the relationship between the statistical properties of a time series and its GNN models		Cornel Pinte	Monotone operators. Applications	
16:00	Adina Elena Barar	Entropies associated to q-distributions of probability		Marcel Bogdan	On the stability of solutions for a system of inequalities	
16:20				Adela Capata	Characterizations of vector equilibria with explicit constraints	
16:40	* Break					
17:00	Angela Budescu	Variational fixed points problems and applications to singular differential equations and systems	R. Precup	Constantin-Cosmin Todea	Basic Morita equivalences and cohomology of block algebras of finite groups	C. Pinte
17:20	Lorand Parajdi	A mathematical model of the transition from the normal hematopoiesis to the chronic and acute stages in myeloid leukemia		Andrei Neag	Isogonal transformations in hyperbolic plane	
17:40	Adrian Viorel	Nonlocal Cauchy problems at infinity		Adrian Holhos	Two area preserving maps from the square to the $S^p$ -ball	
18:00	Viorica Muresan	Abstract Gronwall lemma and applications		Ioan Radu Peter	A bound of the Finslerian Ricci scalar	
18:20	Adela Novac	A Perov type result in gauge spaces and application to integral systems on semi-axis		Vasile Pop	The number of sums and differences for a set	
19:30	* Welcome cocktail					

# "Angheluță Conference 2016" Technical Program

Wednesday, July 6

## Room A

Time	Speaker	TALK	Chairman
09:00	Dorin Ghisa	Riemann type of functional equation	A. Mitrea
09:20	Mircea Balaj	Existence Criteria For the Solutions of a Variational Relation Problem	
09:40	Gheorghe Tigan	Periodic orbits in a non-smooth discrete map	
<b>Joint session</b> <b>Theodor Angheluță Conference 2016 (15th International Conference on Applied Mathematics and Computer Science)</b> <b>&amp; VII Jaen Conference on Approximation Theory</b>			
10:00	Gradimir Milovanovic (Cluj-Napoca)	Efficient quadrature processes for computing integrals of highly oscillatory functions and some classes of special functions	M. Ivan
10:45	Walter Van Assche (Úbeda)	Simultaneous Gaussian quadrature for Angelesco systems	
11:30	* Break		
12:30	* Lunch		
13:30 -- 21:00	* Trip to Turda Salt Mine		

# "Angheluță Conference 2016" Technical Program

Thursday, July 7

Room A				Room B		
Time	Speaker	TALK	Chairman	Speaker	TALK	Chairman
09:00	Radu Paltanea	Estimating the degree of approximation with Ditzian-Totik modulus	M. Rus	Octavia-Maria Bolojan	Delay Evolution Systems with Nonlinear Constraints	B. Gavrea
09:20	Nicusor Minculete	On the Cauchy-Schwarz inequality in an inner product space		Diana Herlea	Positive solutions for Neumann-Robin BVPs with Phi-Laplacian	
09:40	Ana-Maria Croicu	What Everyone Ought to Know About Optimal Control Applied in Medicine				
10:30	* Break					
10:50	Ana Maria Acu	Direct results for certain operators based on Polya distribution	O. Agratini	Olga Engel	Preserving properties of the generalized Bernardi-Libera-Livingston integral operator	A. Sintamarian
11:10	Antonio Jesus Lopez Moreno	Generalized Durrmeyer and Taylor-Durrmeyer type operators		Szilard Csaba Laszlo	The minimization problem of a convex function on dense sets	
11:30	Daniel Moga	Efficient approximations for fractional order controllers		Agnes Orsolya Pall-Szabo	Modified Hadamard product properties of certain class of analytic functions with varying arguments defined by Salagean	
11:50	Marius Birou	Rates of convergence for the iterates of some positive linear operators		Tania Angelica Lazar	Coupled fixed point for phi-contractions in b-metric spaces	
12:10	Voichita Adriana Radu	Approximation properties of the iterates of some linear positive operators depending on a parameter		Vasile Horea Ile	Logic type functions in some problems of deformable body mechanics	
12:30	Gabriela Raluca Mocanu	Radiation of charged particles undergoing drift/diffusion		Dalia Sabina Cimpean	A study of water pressure optimization for a city network	
13:00	* Lunch					
19:30	* Banquet					