

### Invited Speakers

Nr.	NAME	AFILIATION	COUNTRY	TITLE
1	Janusz Brzdęk	Pedagogical University, Kraków	Poland	ULAM TYPE STABILITY AND FIXED POINTS
2	Justyna SIKORSKA	University of Silesia, Katowice	Poland	ORTHOGONALITIES IN THE THEORY OF FUNCTIONAL EQUATIONS
3	Ioan RASA	Technical University of Cluj-Napoca	Romania	POSITIVE LINEAR OPERATORS, ENTROPIES AND HEUN FUNCTIONS
4	Adrian PETRUSEL	Babes-Bolyai University Cluj-Napoca	Romania	APPLICATIONS OF SOME FIXED POINT THEOREMS IN $R^m$ -METRIC SPACES
5	Elena Kulinskaya	University of East Anglia	UK	META-ANALYSIS: PAST, PRESENT AND FUTURE
6	Damian Osajda	University of Wrocław	Poland	Combinatorial nonpositive curvature: theory and applications
7	Guillaume Aubrun	Université Claude Bernard Lyon 1	France	Dvoretzky's theorem and the complexity of entanglement detection
8	David Reeb	Leibniz Universität Hannover	Germany	Tensor-stable positive maps
9	Michael M. Wolf	Technische Universität München	Germany	(Un-)decidable problems in quantum theory
10	Zoran Obradovic	Temple University	USA	STRUCTURED REGRESSION IN EVOLVING COMPLEX

**Mathematical Analysis and Applications**

Nr.	NAME	AFFILIATION	COUNTRY	TITLE
1	Gül Erdal	Yildiz Technical University	Turkey	On regularized trace formula of a differential operator with operator coefficients defined on a finite interval
2	Damla YAMAN (joint talk Yavuz Selim)	Yildiz Technical University	Turkey	L- Weakly and M- Weakly Compacts Operators I
3	Yavuz Selim (joint talk Damla Yaman)	Yildiz Technical University	Turkey	L- Weakly and M- Weakly Compacts Operators II
4	Gök Omer	Yildiz Technical University	Turkey	Reflexivity results of dual Banach modules
5	Başcanbaz-Tunca Gülen	Ankara University	Turkey	Convergence in variation for Bernstein-type operators
6	Çanak Ibrahim (joint talkwith Totur Umit)	Ege University	Turkey	Some classical Tauberian theorems for triple improper integrals
7	Öksüzer Özlem	Ankara University	Turkey	On convergence of Bernstein-Stancu polynomials in the variation seminorm
8	Sezer Sefa Anil (joint with Canak Ibrahim)	Ege University	Turkey	SOME TAUBERIAN CONDITI-ONS FOR THE LOGARITHMIC METHOD OF SUMMABILITY
9	Çetin Nursel	Turkish State Meteorological Service	Turkey	APPROXIMATION BY COMPLEX MODIFIED GENUINE SZÁSZ-DURRMEYER-STANCU OPERATORS
10	Mocanu Gabriela Raluca	Astronomical Observato-ry, Romanian Academy, Cluj-Napoca	Romania	C0-semigroups generated by second order differential operators Hormander representation - Applications in physics
11	Erdem Yilmaz (joint talk with Canak Ibrahim)	Adnan Menderes University	Turkey	Two theorems on the product of Abel and Cesaro summability methods
12	Heilmann Margareta	University of Wuppertal	Germany	Commutativity properties of genuine Baskakov-Durrmeyer type operators and theyr k-th order Kantorovich modification
13	Okur Muhammet Ali (joint talk Totur Umit)	Adnan Menderes University	Turkey	On logarithmic averages of sequences and its applications
14	Házy Attila	University of Miskolc	Hungary	On approximately (h,k)-convex functions
15	Burai Pál	University of Debrecen	Hungary	Generalized Wright-convex functions
16	Makó Judit	University of Miskolc	Hungary	On (c,q) – Jensen convex functions
17	Cristescu Gabriela (joint with Muhammad Uzair Awan, Gaianu Mihai)	Aurel Vlaicu University of Arad	Romania	Integral inequalities for strongly convex functions on coordinates
18	Serrano Eduardo	Universidad Nacional de San Martín	Argentina	1. Approximate Solutions to Inverse Problems associates to Integral Operators using the Wavelet Transform;2. About detection of oscillation patterns in SEEG with wavelet's coefficients
19	Inoan Daniela	Technical University of Cluj-Napoca	Romania	Bernstein operators of second kind and blending systems
20	Daianu Dan	Politehnica University of Timisoara	Romania	A new functional equation for generalized polynomials and its stability

21	Popescu George	University of Craiova	Romania	Rhaly Operators and Statistical Boundedness
22	Supama M	Gadjah Mada University	Indonesia	On a $C^*$ -module normed space and its topological properties
23	Umit TOTUR (joint talk Ibrahim CANAK)	Adnan Menderes University	Turkey	On Tauberian theorems for statistical weighted mean method of summability
24	Binzar Tudor, Lazureanu Cristian	Politehnica University of Timisoara	Romania	On the Wold-Suciu-Slocinski type decompositions for commuting isometric semigroups
25	Satco Bianca	Stefan cel Mare University of Suceava	Romania	Bounded variation functions – applications to measure differential equations
26	Agbeko Nutefe Kwami	University of Miskolc	Hungary	Stability problems on some functional equations in lattice Environments
27	Popa Dorian	Technical University of Cluj-Napoca	Romania	Hyers-Ulam stability of the linear difference equation
28	Pugna Georgiana	Technical University of Cluj-Napoca	Romania	Hyers-Ulam stability of the second order linear differential equation
29	Serban Calin	West University of Timisoara	Romania	Three periodic solutions for discontinuous perturbations of the vector $p$ -Laplacian operator
30	Erkursun Ozcan Nazife	Hacettepe University	Turkey	Constrictors of Markov operators on KB-spaces
31	Mónika Szűcs	University of Szeged	Hungary	A mathematical model of oncolytic virus therapy
32	Milici Constantin	Politehnica University of Timisoara	Romania	The last squares method for fractional equations
33	Cadariu Liviu	Politehnica University of Timisoara	Romania	A note on the stability of a functional equation
34	Acu Ana Maria	Lucian Blaga University of Sibiu	Romania	A note on approximation properties of Bernstein Stancu type operators
35	Radu Voichita	Babes-Bolyai University	Romania	Iterates of $q$ -Bernstein operators, via contraction principle
36	Manolescu Laura	Politehnica University of Timisoara	Romania	New results on frames for operators in Hilbert spaces
37	Gonska Heiner	University of Duisburg-Essen	Germany	Generalized Alomari functionals
38	Stoica Codruta (joint talk Megan Mihail, Mihit Claudia)	Aurel Vlaicu University of Arad	Romania	On $(h,k)$ -trichotomy and $(h,k)$ -splitting for cocycles of linear operators in Banach spaces
39	Kanhaiya Jha	Kathmandu University	Nepal	Fixed point results and its applied aspects in generalized metric
40	ILIE STAN (joint work N.COFAN, C.HEDREA, D. LUPULESCU)	Politehnica University of Timisoara	Romania	ON INTERPOLATION OF LOCALLY CONVEX COUPLES WITH REAL METHODS
41	Larisa Biriş, Raluca Lolea	West University of Timisoara	Romania	On exponential dichotomy and exponential trichotomy of cocycles over semiflows

**Algebra and Geometry, Computer Algebra  
Systems in Research**

Nr.	NAME	AFFILIATION	COUNTRY	TITLE
1	Gürbüz Serife Nevin	Eskişehir Osmangazi University	Turkey	Elastic line is exposed to static force field for null Cartan curves / Motion of curves according to Bishop 2-type frame in euclidean 3-spaces
2	Kanbay Filiz	Yildiz Technical University	Turkey	ON THE SPACELIKE RULED WEINGARTEN SURFACES
3	Bulut Fatma	Yildiz Technical University	Turkey	Maurer-Cartan one-forms on $Z_3$ -Graded Quantum Group $GL_q(2)$
4	Cismas Emanuel	Leibniz University	Germany	Euler-Poincare-Arnold equations on semi-direct products
5	Lazar Ioana	Politehnica University of Timisoara	Romania	The Gromov hyperbolicity of 5/9-complexes
6	Stojadinovic Tanja	Belgrade University	Serbia	Eulerian subalgebras of combinatorial Hopf algebras
7	Baralic Djordje	Mathematical Institute SASA Belgrade	Serbia	Extending Lebesgue and Knaster-Kuratowski-Mazurkiewicz theorems
8	Petrisor Camelia, Pop Camelia	Politehnica University of Timisoara	Romania	On the stabilization of an optimal control problem

**Applied Mathematics in Engineering and Economics**

<b>Nr.</b>	<b>NAME</b>	<b>AFILIATION</b>	<b>COUNTRY</b>	<b>TITLE</b>
1	Pokorádi László	Óbuda University	Ungaria	Fuzzy failure modes and effects analysis with weighted summarized center of gravity defuzzification
2	Lugojan Sorin	Politehnica University of Timisoara	Romania	Survey of topological methods in robotics
3	Schiopu Camelia	Transilvania University of Brasov	Romania	Applications of the maximal dynamic network flow problem
4	Ene Remus / Caruntu Bogdan	Politehnica University of Timisoara	Romania	Analytical investigations on the flow of Williamson fluid with power-law pressure dependent viscosity model: effect of the power-law parameter
5	Juraton Adina / Bundau Olivia	Politehnica University of Timisoara	Romania	A growth model with a C.E.S. production function with physical and human capital
6	Bota Constantin / Caruntu Bogdan / Olivia Bundau	Politehnica University of Timisoara	Romania	Approximate solutions of nonlinear integro-differential equations of the mixed Volterra-Fredholm type
7	Er Fatih	Suleyman Demirel University	Turcia	Some Results and Applications of Nonstandad Theta Methods
8	Ildiko Somogyi	Babes-Bolyai University Cluj-Napoca	Romania	Stochastic fractal interpolation with random variable parameter

**Probability and Statistics,  
Applications in Health and  
Clinical Research**

<b>Nr. Crt.</b>	<b>NAME</b>	<b>AFILIATION</b>	<b>COUNTRY</b>	<b>TITLE</b>
1	Matsuda Takeshi	Shizuoka Institute of Science and Technology	Japan	On the Consideration of Time Series Analysis of Tacit Knowledge in Nursing Art
2	Lefebvre Mario	Polytechnique Montréal	Canada	Suboptimal solutions to LQG homing problems
3	Karacsony Zsolt	University of Miskolc	Hungary	Kernel type estimator of a bivariate average growth function
4	Jelena Stanojevic	University of Belgrade	Serbia	Asimptotic behavior of the tail index estimators
5	Ioan Golet	Universitatea Politehnica Timisoara	Romania	TBA
6	Tamasan Simona (joint with Ardelean Adrian, Diana Lungeanu)	Universitatea Politehnica Timisoara	Romania	Causes and conse-quences of hip fracture in the elderly of Western Romania – a critical review of the study design
7	Romeo Negrea	Universitatea Politehnica Timisoara	Romania	AN ALTERNATIVE APPROACH FOR THE ASSETS PRICING IN UNSTABLE FINANCIAL MARKETS

**DYNAMICAL SYSTEMS AND  
THEIR APPLICATIONS**

Nr.	NAME	AFILIATION	COUNTRY	TITLE
1	Fonseca Andre	ABC Federal University	Brazilia	Multifractality in nonlinear neural dynamics
2	Jeferson Cassiano	ABC Federal University	Brazilia	join talk with Fonseca Andre
3	Constantinescu Dana	Politehnica University of Craiova	Romania	The study of some fractional versions of the transport equation. Applications in physics and economics
4	Munteanu Florian	University of Craiova	Romania	A computational analysis of the Hamilton-Poisson structures of the Kermack-McKendrick SIR model
5	Racila Mihaela	University of Craiova	Romania	Inverse problem in the modelling of human cortical bone behaviour. Numerical approach
6	Prajitura Gabriel	State University of New York, College at Brockport	S.U.A.	Linear Chaos
7	Tigan Gheorghe	Politehnica University of Timisoara	Romania	Bautin bifurcations in the T system
8	Ionescu Adela	University of Craiova	Romania	Linearization and geometrical methods for prey-predator dynamical systems
9	Zhang Qiuyan (joint Gheorghe TIGAN, Weinian ZHANG)	Sichuan University	China	Dynamics of an extended Lorenz system
10	Kukic Katarina	University of Belgrade	Serbia	Algorithm for searching separation variables in the Kowalevski type systems

11	Zhou Zhiming (joint talk Gheorghe Tigan, Zhiheng Yu)	Shanghai Normal University	China	Hopf bifurcations in an extended Lorenz system
12	Zhong Jiyu	Sichuan University	China	Bifurcations of a second-order difference equation related to a class of reaction-diffusion equations
13	Vlad Serban	Oradea City Hall	Romania	On some invariance properties of the asynchronous flows
14	Yu Zhiheng (joint Weinian ZHANG)	Sichuan University	China	Conditions for Polynomial Li enard Centers
15	Zhang Limin (joint Chaofeng Zhang, Min Zhao)	Sichuan University	China	Dynamic complexities in a discrete predator-prey system with lower critical point for the prey
16	Catalin Sterbeti	University of Craiova	Romania	Osserman generalized locally symmetric spaces with the generalized 2-nilpotent Jacobi operator



**MATHEMATICAL METHODS IN  
QUANTUM INFORMATION THEORY**

Nr.	NAME	AFILIATION	COUNTRY	TITLE
1	Lancien Cécilia	Universite Claude Bernard Lyon/Universitat Autonoma de Barcelona	France / Spain	Asymptotic strength of necessary conditions for separability
2	Teiko Heinosaari	Turku Center for Quantum Physics, Department of Physics and Astronomy, University of Turku	Finland	Incompatibility breaking quantum channels
3	Clement Pellegrini	Laboratoire de Statistique et Probabilités, Université Paul Sabatier	France	On a special class of bipartite unitary operators
4	Dan Timotin	Institute of Mathematics of the Romanian Academy	Romania	The solution to the Kadison-Singer problem
5	Tristan Benoist (joint with Nechita Ion )	Laboratoire de Physique Théorique, Paul Sabatier University - Toulouse III	France	Unitary matrices generating classical like completely positive trace
6	Ion Nechita	Laboratoire de Physique Théorique, Paul Sabatier University - Toulouse III	France	
7	Maria Anastasia Jivulescu	Department of Mathematics, Politehnica University of Timisoara	Romania	
8	Nicolae Lupa	Department of Mathematics, Politehnica University of Timisoara	Romania	
9	Pasc Gavruta	Department of Mathematics, Politehnica University of Timisoara	Romania	Fusion frames and operator-values frames for quantum information theory
10	Aurelian ISAR	National Institute of Physics and Nuclear Engineering, Bucharest-Magurele	Romania	Dynamics of quantum correlations in Gaussian open systems