

FAAT *6th International Conference*
2009 *on Functional Analysis*
and Approximation Theory

Program of the Conference

Friday, September 25

✓ 9:00-9:30	OPENING CEREMONY
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Plenary Lectures

	<i>Chairman: Dany Leviatan</i>
✓ 9:30-10:15	Lars-Erik Persson, Luleå, Sweden Some new developments concerning characterizations of weighted multidimensional Hardy type integral inequalities
✓ 10:20-11:05	Ben de Pagter, Delft, The Netherlands Derivations on algebras of operator valued functions
✓ 11:10-11:40	<i>Break</i>
✓ 11:40-12:25	Ioan Raşa, Cluj-Napoca, Romania C_0 -Semigroups and iterates of positive linear operators: asymptotic behaviour

Scientific Communications

	SECTION A <i>Chairman: József Szabados</i>	SECTION B <i>Chairman: Jürgen Appell</i>
✓ 15:00- 15:15	Miguel Antonio Jimenez Pozo , <i>Puebla, Mexico</i> Hölder weighted integrable periodic functions and Approximation	Dragan Djordjevic <i>Nis, Serbia</i> Recent results on generalized inverses
✓ 15:20- 15:35	Marie-Madeleine Derriennic , <i>Rennes, France</i> Identities and inequalities for quasi-interpolants of Bernstein-type	Łukasz Piasecki <i>Lublin, Poland</i> Full characterization of the best Lipschitz constants of all iterations of mean lipschitzian mappings
✓ 15:40- 15:55	Mircea Ivan , <i>Cluj-Napoca, Romania</i> Some remarks on generalized interpolation	Giulio Trombetta , <i>Cosenza, Italy</i> On a measure of noncompactness in topological linear spaces
✓ 16:00- 16:15	Ulrich Abel , <i>Friedberg, Germany</i> Asymptotic properties of some positive operators of Altomare	Henrik Laurberg Pedersen , <i>Copenhagen, Denmark</i> Pre Stieltjes functions
✓ 16:20- 16:35	Ioan Gavrea , <i>Cluj-Napoca, Romania</i> Converse inequalities for Meyer-König and Zeller operators of finite type	Fatma Diaba , <i>Annaba, Algeria</i> On rank one perturbation of continuous spectrum which generates prescribed finite point spectrum
✓ 16:40- 16:55	Octavian Agratini , <i>Cluj – Napoca, Romania</i> q- Approximation Processes on Unbounded Intervals	Alessandro Trombetta , <i>Cosenza, Italy</i> Boundary conditions for k - ψ -contractive wedge maps
✓ 16:55- 17:15	<i>Break</i>	

	SECTION A <i>Chairman: Michele Campiti</i>	SECTION B <i>Chairman: Lech Maligranda</i>
✓ 17:15- 17:30	Daniel Cárdenas-Morales, <i>Jaén, Spain</i> On general asymptotic formulae: a converse result.	Ali Akhmedov, <i>Baku, Azerbaijan</i> Spectral properties of matrix operators in Banach space
✓ 17:35- 17:50	Radu Păltaneă, <i>Brasov, Romania</i> Quantitative Results in Weighted Approximation	Wolfgang Erb, <i>Munich, Germany</i> Uncertainty principles on compact Riemannian manifolds
✓ 17:55- 18:10	Cihan Orhan, <i>Ankara, Turkey</i> Some Variations of the Bohman-Korovkin Theorem	Alexey Uglanov, <i>Saint-Petersburg, Russia</i> Vector Integrals and Absolutely Summing Operators in Locally Convex Spaces
✓ 18:15- 18:30	Mirella Cappelletti Montano, <i>Bari, Italy</i> On a generalization of Kantorovich operators on simplices and hypercubes	Sidi Mohammed Bahri, <i>Mostaganem, Algeria</i> On a Certain Class of Carleman Integral Operators
✓ 18:35- 18:50	Elena Berdysheva, <i>Stuttgart, Germany</i> Multivariate Bernstein- Durrmeyer Operators with Arbitrary Weight Functions	Elgiz Bayram, <i>Ankara, Turkey</i> Dissipative Sturm-Liouville operators
✓ 18:55- 19:10	Vita Leonessa, <i>Potenza, Italy</i> Kantorovich-type operators associated with positive projection and their limit semigroup	
✓ 19:10- 19:25	Sergey Tikhonov, <i>Barcelona, Spain</i> Sharp inequalities for moduli of smoothness	

Saturday, September 26

Plenary Lectures

	<i>Chairman: Peter Junghanns</i>
<input checked="" type="checkbox"/> 9:00-9:45	Bernd Silbermann, Chemnitz, Germany Banach algebras of structured matrix sequences and topics in asymptotic spectral theory.
<input checked="" type="checkbox"/> 9:50-10:35	Giovanni Monegato, Torino, Italy Integral equation formulations of some 2D contact problems
<input checked="" type="checkbox"/> 10:40-11:00	<i>Break</i>

Saturday, September 26

Scientific Communications

	SECTION A <i>Chairman: Mihai Voicu</i>	SECTION B <i>Chairman: Daniel Potts</i>
✓ 11:00- 11:15	Sankatha Singh, <i>St. John's, Canada</i> Ky Fan's best approximation theorem and applications	Faouzia Rebbani, <i>Annaba, Algeria</i> Regularization methods for an abstract inverse elliptic problem with Dirichlet conditions
✓ 11:15- 11:30	Bhavana Deshpande, <i>Ratlam, India</i> Role of noncompatible and discontinuous mappings to prove coincidence and common fixed point theorems in various spaces	Valeriy Galkin, <i>Obrninsk, Russia</i> The metric theory of functional solutions of conservation laws systems
✓ 11:30- 11:45	Maryam Beyg Mohammadi, <i>Kermanshah, Iran</i> Some New Fixed Point Theorems in Modular Spaces	Tadeusz Jankowski, <i>Gdansk, Poland</i> Nonlinear differential equations with boundary conditions
✓ 11:45- 12:00	Fowzi Sejeeni, <i>Makkah, Saudi Arabia</i> On the Strict Best Approximation	Yamina Laskri, <i>Annaba, Algeria</i> On an Impulsive Fractional Problem
✓ 12:00- 12:10	<i>Break</i>	

	SECTION A <i>Chairman: Antonio Attalienti</i>	SECTION B <i>Chairman: Mircea Ivan</i>
<input checked="" type="checkbox"/> 12:10- 12:25	Ghorban Ali Bagheri-Bardi, <i>Boushehr, Iran</i> Generalized Fourier-Stieltjes algebras on a locally compact group	Nenad Cakic, <i>Belgrade, Serbia</i> On the generalized Jacobi-Stirling numbers
<input checked="" type="checkbox"/> 12:25- 12:40	Taher Yazdanpanah, <i>Boushehr, Iran</i> n-Approximately Weak Amenability of Banach Algebras	Sara Remogna, <i>Torino, Italy</i> Quasi-interpolant operators based on trivariate C^2 quartic box splines
<input checked="" type="checkbox"/> 12:40- 12:55		Teresa E. Perez, <i>Granada, Spain</i> Difference Equation for a Stieltjes function associated with Discrete Classical Orthogonal Polynomials
<input checked="" type="checkbox"/> 12:55- 13:10		

	SECTION A <i>Chairman: Giuseppe Mastroianni</i>	SECTION B <i>Chairman: Ben de Pagter</i>
✓ 15:00- 15:15	Peter Junghanns, <i>Chemnitz, Germany</i> On Mapping Properties of Integral Operators with Logarithmic Kernels	Jacobus Grobler, <i>Potchefstroom, South Africa</i> Stochastic processes in Riesz spaces
✓ 15:20- 15:35	Markus Seidel, <i>Chemnitz, Germany</i> On the stability of collocation methods for Cauchy singular integral equations in weighted L^p spaces	Richard Becker, <i>Paris, France</i> The role of Conical Measures in Functional Analysis
✓ 15:40- 15:55	Helena Mascarenhas, <i>Lisboa, Portugal</i> Spectral Approximation and index for bidimensional convolution type operators	Mirosława Zima, <i>Rzeszów, Poland</i> On commutator of positive linear operators
✓ 16:00- 16:15	Concetta Laurita, <i>Potenza, Italy</i> A Nyström method for Cauchy singular integral equations with negative index	Anna Betiuk-Pilarska, <i>Lublin, Poland</i> Banach lattices which are order uniformly noncreasy
✓ 16:20- 16:35	Carmelina Frammartino, <i>Potenza, Italy</i> A Nyström method for 2s-th order BVP	Mihai Voicu, <i>Bucharest, Romania</i> Remarks on Pseudoresolvents
✓ 16:40- 16:55	Maria Grazia Russo <i>Potenza, Italy</i> Nyström methods for weakly singular Fredholm integral equations with singular right- hand sides	Rachida Amiar, <i>Annaba, Algeria</i> Approximation by positive operators of the C_0 -semigroups associated with one- dimensional diffusion equations
✓ 16:55- 17:15	<i>Break</i>	

	SECTION A <i>Chairman: Péter Vértési</i>	SECTION B <i>Chairman: Ioan Raşa</i>
✓ 17:15- 17:30	Christian Berg, <i>Copenhagen, Denmark</i> Eigenvalues of large Hankel matrices	Sabrina Diomede, <i>Bari, Italy</i> On Feller semigroups associated with modified Bernstein-Schnabl operators
✓ 17:35- 17:50	Kathy Driver, <i>Cape Town, South Africa</i> The interlacing of zeros and orthogonality	Kirsti Mattila, <i>Stockholm, Sweden</i> Ergodicity for operators generating a bounded resolvent family on Banach spaces
✓ 17:55- 18:10	Donatella Occorsio, <i>Potenza, Italy</i> Approximation of the Hilbert transform on the real positive semi-axis	Sabina Milella, <i>Bari, Italy</i> C_0 -semigroups and modified Szász-Mirakjan operators
✓ 18:15- 18:30	Pietro Pastore, <i>Potenza, Italy</i> Numerical treatment of integrals with highly oscillatory density function	Cristian Tacelli, <i>Lecce, Italy</i> On the order of convergence of the Voronovskaja-type formulas and applications
✓ 18:35- 18:50	Maria Carmela De Bonis, <i>Potenza, Italy</i> Quadrature rules for high-oscillatory and periodic functions and some applications to integral equations.	Graziana Musceo, <i>Bari, Italy</i> Degenerate Second Order Differential Operators on Weighted Continuous Function Spaces
✓ 18:55- 19:10	Ferenc Toókos, <i>Munich, Germany</i> Mixed recurrence relations and interlacing theorems for orthogonal and q-orthogonal polynomials	Helmi Temimi, <i>Kuwai, Kuwait</i> Performance of A New Numerical Solver for Differential equations based on Discontinuous Galerkin Finite Element Method
✓ 19:10- 19:25	Letizia Scuderi, <i>Torino, Italy</i> Lubich convolutions quadratures and their application to space-time BIEs	

Sunday, September 27

*Special Session dedicated to
Professor Giuseppe Mastroianni
on the occasion of his 70th birthday*

<input checked="" type="checkbox"/> 9:00-9:30	OPENING CEREMONY
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Plenary Lectures

	<i>Chairman: Gradimir Milovanović</i>
<input checked="" type="checkbox"/> 9:30-10:20	József Szabados , <i>Budapest, Hungary</i> Eighteen years of cooperation with Giuseppe Mastroianni – A survey
<input checked="" type="checkbox"/> 10:25-11:15	Vilmos Totik , <i>Szeged, Hungary and Tampa, Florida</i> The polynomial inverse image method or how to prove results for general compact sets ?
<input checked="" type="checkbox"/> 11:20-11:50	<i>Break</i>
<input checked="" type="checkbox"/> 11:50-12:40	Péter Vértesi , <i>Budapest, Hungary</i> My Italian Connections
<input checked="" type="checkbox"/> 19:00	<i>Social Dinner</i>

Monday, September 28

Plenary Lectures

	<i>Chairman: Jean-Pierre Antoine</i>
<input checked="" type="checkbox"/> 9:00-9:50	Francisco Marcellan , <i>Madrid, Spain</i> Orthogonal polynomials on the unit circle: Spectral transformations and integrable systems
<input checked="" type="checkbox"/> 9:55-10:45	Jürgen Appell , <i>Würzburg, Germany</i> Some approaches to the p-Laplace operator
<input checked="" type="checkbox"/> 10:45-11:15	<i>Break</i>
<input checked="" type="checkbox"/> 11:15-12:05	Lech Maligranda , <i>Luleå, Sweden</i> Structure of Cesàro function spaces

Scientific Communications

	SECTION A <i>Chairman: Vilmos Totik</i>	SECTION B <i>Chairman: Camillo Trapani</i>
✓ 15:00- 15:15	Dany Leviatan, <i>Tel Aviv, Israel</i> Approximation of Sobolev and other classes by ridge functions	Jan Fourie, <i>Potchefstroom,</i> <i>South Africa</i> Classes of operator valued functions, with relation to integral multipliers
✓ 15:20- 15:35	Aldric Brown, <i>London, United Kingdom</i> An extension of Haar's Theorem	Natasha Samko, <i>Faro, Portugal</i> Weighted Hardy inequalities in Morrey spaces
✓ 15:40- 15:55	Herbert Stahl, <i>Berlin, Germany</i> AAK Approximants to Functions with Branch Points	Jean-Marie Aubry, <i>Paris, France</i> Multifractality, local p-convexity and diametral dimensions
✓ 16:00- 16:15	András Kroó, <i>Budapest, Hungary</i> On approximation of convex bodies by convex algebraic level surfaces	Stanislaw Prus, <i>Lublin, Poland</i> Constructing separated sequences in Banach spaces
✓ 16:20- 16:35	Tamas Erdelyi, <i>College Station, Texas, USA</i> Zeros of polynomials with restricted coefficients	Angela Albanese, <i>Lecce, Italy</i> Schauder bases in Fréchet spaces and vector measures
✓ 16:40- 16:55	Luisa Fermo, <i>Potenza, Italy</i> The Shepard operator on the real semiaxis	Olav Nygaard, <i>Kristiansand, Norway</i> Observations on Ideals in Banach spaces
✓ 16:55- 17:15	<i>Break</i>	

	SECTION A <i>Chairman: András Kroó</i>	SECTION B <i>Chairman: Jacobus Grobler</i>
✓ 17:15- 17:30	Viktor Kolyada, <i>Karlstad, Sweden</i> Fubini type theorems for L^p - moduli of continuity	Antonio Fernández, <i>Sevilla, Spain</i> Interpolation of spaces of integrable functions with respect to vector measures
✓ 17:35- 17:50	Frank Filbir, <i>Munich, Germany</i> Localized kernels and approximation processes on Riemannian manifolds	Francisco Naranjo <i>Sevilla, Spain</i> Bartle-Dunford-Schwartz integrability versus Bochner, Pettis, Dunford integrability
✓ 17:55- 18:10	Igor Shevchuk, <i>Kyiv, Ukraine</i> Pointwise estimates in coconvex approximation	Paola Cavaliere, <i>Salerno, Italy</i> Approximation of finitely additive functions valued into topological groups
✓ 18:15- 18:30	Incoronata Notarangelo, <i>Potenza, Italy</i> Polynomial approximation with Pollaczek-type weights	Andrzej Kryczka, <i>Lublin, Poland</i> Alternate signs Banach-Saks property and real interpolation of operators
✓ 18:35- 18:50	Anna Napoli <i>Cosenza, Italy</i> New kernels of Sard type and applications	A. Sri Ranga, <i>Sao Jose do Rio Preto, SP, Brazil</i> Continued Fractions and Birth and Death Processes
✓ 18:55- 19:10	Jamal I. Mamedkhanov, <i>Baku, Azerbaijan</i> Problems on the curves in a complex plane related with classic approximation theorems	Ali Farajzadeh, <i>Kermanshah, Iran</i> On the approximate convexity and submonotonicity in locally convex spaces
✓ 19:10- 19:25		

Tuesday, September 29

Plenary Lectures

	<i>Chairman: Christian Berg</i>
<input checked="" type="checkbox"/> 9:00-9:50	Gradimir Milovanovic , <i>Novi Beograd, Serbia</i> Some classes of generalized quadratures: construction and analysis
<input checked="" type="checkbox"/> 9:55-10:45	Daniel Potts , <i>Chemnitz, Germany</i> Efficient reconstruction of functions on the sphere from scattered data
<input checked="" type="checkbox"/> 10:45-11:15	<i>Break</i>
<input checked="" type="checkbox"/> 11:15-12:05	Mikio Kato , <i>Kitakyushu, Japan</i> Some recent results on Banach space geometry

Scientific Communications

	SECTION A <i>Chairman: Mikio Kato</i>	SECTION B <i>Chairman: Natasha Samko</i>
✓ 15:00- 15:15	Jean-Pierre Antoine, <i>Louvain-la-Neuve, Belgium</i> Partial inner product spaces and operators on them	Katsuo Matsuoka, <i>Tokyo, Japan</i> On some Herz-type spaces and the boundedness for classical operators
✓ 15:20- 15:35	Camillo Trapani, <i>Palermo, Italy</i> The completion of a C*- algebra under a weaker locally convex topology	Ushangi Goginava, <i>Tbilisi, Georgia</i> Maximal operators of logarithmic means of two- dimensional Walsh-Fourier series
✓ 15:40- 15:55	Lourdes Palacios, <i>Mexico City, Mexico</i> On some generalized properties in Q-topological algebras	Marija Stanic, <i>Kragujevac, Serbia</i> Trigonometric Polynomials of Semi-Integer Degree Orthogonal with Respect to a Moment Functional
✓ 16:00- 16:15	Francesco Tschinke, <i>Palermo, Italy</i> Spectral properties of partial *-algebras	Vladimir Vasilyev, <i>Bryansk, Russia</i> Spectral resolution for Calderon-Zygmund operators
✓ 16:20- 16:35	Salvatore Triolo, <i>Palermo, Italia</i> Extensions of positive linear functionals on a *-algebra	István Blahota, <i>Nyiregyhaza, Hungary</i> On boundedness of maximal operators with respect to Vilenkin systems
✓ 16:40- 16:55	Giorgia Bellomonte, <i>Palermo, Italy</i> Absolutely Convergent Extensions of Nonclosable Positive Linear Functionals	Rodolfo Toledo, <i>Nyiregyháza, Hungary</i> Representative product systems
✓ 16:55- 17:15	<i>Break</i>	

	SECTION A <i>Chairman: Tamas Erdelyi</i>	SECTION B <i>Chairman: Cihan Orhan</i>
✓ 17:15- 17:30	Mohamed Jalel Atia, <i>Gabes, Tunisia</i> Analytic construction of an example of orthogonal polynomials of class one	György Gát, <i>Nyiregyhaza, Hungary</i> Approximation properties of one and two dimensional Fejér and Marcinkiewicz means of Fourier series with respect to Walsh and Vilenkin systems
✓ 17:35- 17:50	Jacob Christiansen, <i>Copenhagen, Denmark,</i> Szegő Asymptotics	Károly Nagy, <i>Nyiregyhaza, Hungary</i> Approximation by Nörlund means of Walsh-Kaczmarz-Fourier series
✓ 17:55- 18:10	Karla Rost, <i>Chemnitz, Germany</i> Split Bezoutians and inverses of symmetric Toeplitz or centrosymmetric Toeplitz-plus-Hankel matrices	Mahmoud Afshari, <i>Boushehr, Iran</i> One Topics On Fast wavelet Algorithm For One - Dimensional Haar Wavelets
✓ 18:15- 18:30	Tengiz Kopaliani, <i>Tbilisi, Georgia</i> Gagliardo-Nirenberg inequality in some Banach function spaces	Teimuraz Akhobadze, <i>Tbilisi, Georgia</i> Uniform convergence and summability of Fourier series
✓ 18:35- 18:50	Mehrdad Simkani, <i>Flint, USA</i> A General Theorem for Rational Approximation on the Extended Complex Plane	Givi Nadibaidze, <i>Tbilisi, Georgia</i> On the coefficients Fourier and absolute summability almost everywhere of series with respect to block orthonormal system
✓ 18:55- 19:10	Oxana Motorna, <i>Kyiv, Ukraine</i> Generalized Lebesgue constants for Fourier-Jacobi partial sums	Mourad Jelassi, <i>Kingdom of Saudi Arabia</i> Convolution product associated with the spherical mean operator on distribution spaces with exponential growth
✓ 19:10- 19:25		