



OMTSA 2017

OPERATORS IN MORREY-TYPE SPACES AND APPLICATIONS

Dedicated to 60th Birthday of Professor Vagıf GULİYEV

JULY 10-13, 2017

PROGRAMME OF THE CONFERENCE

AHİ EVRAN UNIVERSITY

KIRŞEHİR

TURKEY

Website: <https://omtsa.ahievran.edu.tr/>

CONFERENCE SCIENTIFIC PROGRAMME

Monday, July 10	
08:30-09:30	Registration in the Ahi Evran University Faculty of Science and Art.
10:00-10:45	Opening ceremony in Ahi Evran University Faculty of Science and Art Ahi Evran Conference Hall. Prof. Dr. Vatan Karakaya, Rector of the Ahi Evran University Prof. Dr. Victor Burenkov, Director of S.M. Nikolskii Institute of Mathematics
10:45-11:00	<i>Coffee break</i>
Chairman: <i>Victor I. BURENKOV</i> (Ahi Evran Conference Hall)	
11:00-11:50	<i>Vatan KARAKAYA</i>, Fixed Point Theory and Dynamics-Chaotic Behaviors of Function Iteration Process
11:50-12:30	<i>Przemysław GORKA</i>, Totally bounded sets in nonstandard function spaces
12:30-13:30	<i>Lunch</i>
Chairman: <i>Maria Alessandra RAGUSA (Differential and Integral Operators) (Classroom-B72)</i>	
14:00-14:30	<i>Mikail ET</i>, On generalized deferred Cesàro mean
14:30-15:00	<i>Harun POLAT</i>, Some new Pascal sequence spaces
15:00-15:30	<i>Tahir GADJIEV</i>, The some property of solutions degenerate nonlinear parabolic equations
15:30-16:00	<i>Alik M. NAJAFOV</i>, On properties of functions in the grand Sobolev-Morrey spaces
Chairman: <i>Alik M. NAJAFOV (Harmonic Analysis) (Classroom-B75)</i>	
14:00-14:30	<i>İsmail EKİNCİOĞLU</i>, On the boundedness of singular integrals in Lebesgue spaces with variable exponent
14:30-15:00	<i>Javanshir HASANOV</i>, Maximal and singular integral operators on generalized weighted Morrey spaces with variable exponent
15:00-15:30	<i>Rovshan A. BANDALIYEV</i>, On Hardy inequality in weighted variable Lebesgue spaces with mixed norm
15:30-16:00	<i>Yagub Y. MAMMADOV</i>, Fractional maximal operator on Heisenberg group on generalized Morrey spaces
16:00-16:20	<i>Coffee break</i>
Chairman: <i>Rovshan A. BANDALIYEV (Harmonic Analysis) (Classroom-B72)</i>	

16:20-16:40	Nevin BİLGİÇLİ , Generalized maximal functions in classical Lorentz spaces
16:40-17:00	Müjdat AĞCAYAZI , Norm and endpoint estimates for commutators of fractional maximal function
17:00-17:20	Cansu KESKİN , Some boundedness of homogeneous B-fractional integrals on $\mathcal{H}^{\{p\}}_{\Delta_{\nu}}$ Hardy spaces
17:20-17:40	Tuğçe ÜNVER YILDIZ , Embeddings between weighted complementary local Morrey-type spaces and weighted local Morrey-type spaces
17:40-18:00	Yusuf ZEREN , Some Questions of Harmonic Analysis in Weighted Morrey Type Spaces
18:00-18:20	Müberra DİKMEN , The boundedness of the Hardy-Littlewood maximal operator
18:20-18:40	Selim YAVUZ , Fourier Series on Banach Function Space

Chairman: Necip ŞİMŞEK (Fixed Point Theory) (Classroom-B75)

16:20-16:40	Akif ABBASOĞLU , L-homology theory of FSQI-manifolds and the degree of FSQI-mappings
16:40-17:00	Derya SEKMAN , F-contraction of generalized multivalued integral type mappings with α -admissible
17:00-17:20	Meltem KAYA , Common Fixed Point Results for the (F, L)-Weak Contraction on Complete Weak Partial Metric Spaces
17:20-17:40	Müzeyyen ERTÜRK , Some fixed point results for a new class of multivalued operators in the metric spaces
17:40-18:00	Faik GÜRSOY , Numerical reckoning coincidence points of a new general class of nonself operators via a simpler and faster iterative scheme
18:00-18:20	Yunus ATALAN , Data dependence analysis for a new faster iteration method
18:20-18:40	Emirhan HACIOĞLU , On Existence and Convergence Theorems for A New Multivalued Mapping in Geodesic Spaces
19:00	Dinner

Tuesday, July 11	
Chairman: <i>Takuya SOBUKAWA</i> (Ahi Evran Conference Hall)	
10:00-10:50	<i>Victor I. BURENKOV</i>, Interpolation theory and local Morrey-type spaces
10:50-11:10	<i>Coffee break</i>
Chairman: <i>Amiran GOGATISHVILI</i> (Ahi Evran Conference Hall)	
11:10-11:50	<i>Maria Alessandra RAGUSA</i>, On some Morrey regularity results for minimizers of variational integrals
11:50-12:30	<i>Massimo Lanza de CRISTOFORIS</i>, High order differentiability properties of the composition operator in Sobolev Morrey spaces
12:30-13:30	<i>Lunch</i>
Chairman: <i>Mikail ET</i> (Fuzzy Normed Linear Spaces) (Classroom-B72)	
14:00-14:20	<i>Muhammed Recai TÜRKMEN</i>, λ-Statistical Convergence in Fuzzy Normed Linear Spaces
14:20-14:40	<i>Hakan EFE</i>, A New Approach Comparison of the Farthest Point Map in Fuzzy and Classic n-Normed Spaces with Examples
Chairman: <i>Soltan ALIEV</i> (Differential Equations) (Classroom-B75)	
14:00-14:20	<i>Andrea SCAPELLATO</i>, Mixed Morrey estimates for singular integral operators and their applications
14:20-14:40	<i>Hatice ÖZCAN</i>, Implementation of entropy theory for Burgers' equation
15:00-18:30	<i>Visiting historical and touristic places surrounding Kırşehir</i>
19:00	<i>Dinner</i>

Wednesday, July 12

Chairman: **Przemysław GORKA** (Ahi Evran Conference Hall)

10:00-10:50 **Lubomira G. SOFTOVA**, Morrey type spaces over unbounded domain

11:00-11:10 **Coffee break**

Chairman: **Massimo Lanza De CRISTOFORIS** (Ahi Evran Conference Hall)

11:10-11:50 **Amiran GOGATISHVILI**, The extrapolation theorems for weighted generalized Morrey spaces

11:50-12:30 **Takuya SOBUKAWA**, Complex interpolation theorem on B^u_w spaces

12:30-13:30 **Lunch**

Chairman: **Rza MUSTAFAYEV** (Differential and integral operators) (Classroom-B72)

14:00-14:30 **Soltan ALIEV**, The solutions of stochastic differential equations connected with nonlinear elliptic equations

14:30-15:00 **Praveen AGARWAL**, Fractional differential and integral operators: Properties and some applications

15:00-15:30 **Simten BAYRAKÇI**, On the square function generated by the Bessel differential operator

15:30-16:00 **Nurullah YILMAZ**, A New Penalty Function Approach for Inequality Constrained Optimization Problems

Chairman: **Hüseyin ÇAKALLI** (Summability of Series) (Classroom-B75)

14:00-14:20 **Ahmet KARAKAŞ**, On the summability by means of matrix transformations

14:20-14:40 **Bağdagül KARTAL**, Some results concerning the summability of infinite series

14:40-15:00 **Maya ALTINOK**, Porosity Convergence and Porosity Cluster Points in Metric Spaces

15:00-15:20 **Şebnem YILDIZ**, An Application on Local Property of Matrix Summability of Factored Fourier Series

15:20-15:40 **Bengü ÇINA**, Positive solutions of second-order neutral differential equations with distributed deviating arguments

15:40-16:00 **Bengü ÇINA**, Positive solutions of second-order neutral differential equations with forcing term

16:00-16:20 **Coffee break**

Chairman: **Manaf Dzh. MANAFOV** (*Operators in Function Spaces*) (Classroom-B72)

16:20-16:40	Hüseyin ÇAKALLI , <i>On upward half Cauchy sequences</i>
16:40-17:00	Yılmaz ALTUN , <i>The strong convergence result of Mann-type iterative method in the Hilbert spaces</i>
17:00-17:20	İsa YILDIRIM , <i>Various Generalizations of Fixed Point Results in b-Metric Spaces</i>
17:20-17:40	Arife Aysun KARAASLAN , <i>n-Tuplet Coincidence Point Theorems in Partially Ordered Probabilistic Metric Spaces</i>
17:40-18:00	Nedret ÖZGEN , <i>Necessary conditions for the absolute matrix summability of infinite series</i>
18:00-18:20	

Chairman: **Arash GHORBANALIZADEH** (*Operators in Function Spaces*) (Classroom-B75)

16:20-16:40	Şeyda KELEŞ , <i>Boundedness of SBS-square functions</i>
16:40-17:00	Tuncay TUNÇ , <i>On the growth of the algebraic polynomials on whole complex plane with respect to norm of Lebesgue space</i>
17:00-17:20	Eda ORUÇ , <i>On the growth of the algebraic polynomials on whole complex plane with respect to norm of Bergman space</i>
17:20-17:40	Gümrah UYSAL , <i>Nonlinear singular integral operators depending on two parameters from another point of view</i>
17:40-18:00	Müzeyyen ÖZHAVZALI , <i>On Certain Modified Balázs-Szabados Operators in Polynomial Weight Spaces</i>
18:00-18:20	Müzeyyen ÖZHAVZALI , <i>A Numerical Application for Some Modified Operators</i>
19:00	Dinner

Thursday, July13

Chairman: **Lubomira G. SOFTOVA** (Ahi Evran Conference Hall)

10:00-10:50 **Vagif S. GULIYEV**, Characterizations for the Riesz potential and its commutators on Orlicz and generalized Orlicz-Morrey spaces

10:50-11:10 **Coffee break**

Chairman: **Vagif S. GULIYEV** (Ahi Evran Conference Hall)

11:10-11:50 **Ayhan SERBETCI**, Integral Operators of Harmonic Analysis in Local Morrey-Lorentz Spaces

11:50-12:30 **Saludin UMARKHADZHIEV**, Hardy operators in grand Lebesgue spaces

12:30-13:30 **Lunch**

Chairman: **Saludin UMARKHADZHIEV** (*Integral Inequalities*) (Classroom-B72)

14:00-14:30 **Rza Mustafayev**, Bilinear Hardy inequalities

14:30-15:00 **Manaf Dzh. MANAFOV**, Inverse Spectral Problem for Energy-Dependent Integro-Differential Operator with point δ -Interaction

15:00-15:30 **Necip ŞİMŞEK**, Some Fixed Point Results About Multivalued Almost F-Contraction with α -Admissible Mapping

15:30-16:00 **Arash GHORBANALIZADEH**, Approximation by Kantorovich operators in Morrey spaces

Chairman: **Manaf Dzh. MANAFOV** (*Applied Mathematics*) (Classroom-B75)

14:00-14:20 **Suayip TOPRAKSEVEN**, Error Analysis of XDG Methods for Singularly Perturbed Problems

14:20-14:40 **Suayip TOPRAKSEVEN**, A Finite Difference Methods For Fractional Differential Equations

14:40-15:00 **Ismail AYDIN**, Thin Sets in Weighted Variable Exponent Sobolev Spaces

15:00-15:20 **Ismail AYDIN**, On Some Properties of a Banach Algebra

15:20-15:40 **Kadri DOGAN**, A study on a faster Mann iterative method

15:40-16:00 **Ruşen YILMAZ**, The link between orthomorphisms and bi-orthomorphisms

16:00-16:20 **Coffee break**

Chairman: **Onur KIYMAZ** (*Differential Equations*) (Classroom-B72)

16:20-16:40	Ramazan YAZGAN , On the weighted pseudo almost periodic solutions of Liénard-type system with time-lag
16:40-17:00	Mehmet EKICI , Solitons in optical metamaterials with anti-cubic nonlinearity by extended G'/G-expansion approach
17:00-17:20	Mehmet EKICI , Soliton and other solutions in nonlinear negative-index materials
17:20-17:40	Erdal KORKMAZ , Global exponential stability of BAM neural networks with varying delays and impulses
17:40-18:00	Erdal KORKMAZ , Global asymptotic stability of a certain integro-differential systems modeling neural networks with delays
18:00-18:20	Mohammad KNEFATI , On some geometric properties that imply the fixed point property
18:20-18:40	Süleyman ÇELİK , Riesz potential associated with Schrödinger operator on generalized Morrey spaces
Chairman: Yılmaz ALTUN (Algebra and Geometry) (Classroom-B75)	
16:20-16:40	Mesut ALTINOK , On the Characterizations of Timelike Curves which Spherical Indicatrices are Conics in Minkowski 3-space
16:40-17:00	İlhan ÖZTÜRK , The Fractional-Order Mathematical Modeling of bacterial competition with therapy of multiple antibiotics
17:00-17:20	Bahatdin DAŞBAŞI , Mathematical Modeling of Local Bacterial Infection
17:20-17:40	Murat BEKAR , Singularities of Ruled Surfaces and Legendre Curves
17:40-18:00	Murat BEKAR , A Study on Complexified Semi-Quaternions
18:00-18:20	Handan KÖSE , Perfectly Optimally Clean Rings
Chairman: Ayhan SERBETCI (Harmonic Analysis) (Classroom-B76)	
16:20-16:40	Ali AKBULUT , Boundedness of the vector-valued maximal operator on generalized Morrey spaces
16:40-17:00	Abdulhamit KÜÇÜKASLAN , Generalized fractional integral operators on Morrey type spaces
17:00-17:20	Canay AYKOL , Boundedness of the Fractional Maximal Operator in the Local Morrey-Lorentz Spaces
17:20-17:40	Fatih DERİNGÖZ , Characterizations for the maximal operator on generalized weighted Orlicz-Morrey spaces
17:40-18:00	Ahmet EROĞLU , Fractional oscillatory integral operators and their commutators on generalized Orlicz-Morrey spaces of the third kind
18:00-18:20	Dilek SÖYLEMEZ , Approximation Properties of Generalized Bernstein Operators
19:00	Dinner

POSTER PRESENTATIONS

Wednesday, 12 July (14:00-15:00)

***Gümrah UYSAL*, More on singular integral operators of multivariables**

***Cem OĞUZ*, A Novel Chelyshkov Approach Technique for Solving Functional Integro-Differential Equation with Mixed Delays**

***Cem OĞUZ*, Chelyshkov collocation Approach for Solving Some Population Models**

***İlkay BİLGİN*, The boundedness of generalized fractional integral operators on some function spaces**

***Kemal KURT*, Q-analysis and q-integral operators**