Program of International Mathematical Conference on Functional Analysis in Interdisciplinary Applications 2023 (FAIA 2023)		
Antalya, Club Sera Hotel		
October 02 - October 07, 2023		
October 2, Monday, 2023		
14:00 - Arrivals - Hotel Check-in		
October 3, Tuesday		
Conference Hall (Phaselis Hall), Club Sera Hotel		
Zoom link: **https://us02web.zoom.us/j/6678270445?pwd=SFNmQUIvT0tRaHlDaVYrN3l5bzJVQT09** **Conference ID: 667 827 0445, Access code: 1**		
09:00-10:00	Registration	
10:00-10:10	**Opening Ceremony:** Tynysbek Kalmenov, Makhmud Sadybekov, Durvudkhan Suragan, Mesut Urun, Nurgissa Yessirkegenov	
Time (Istanbul time: UTC/GMT +3 hours) and Speaker	**Moderator**	**Title of the Talk**
10:10-10:40 Mersaid Aripov	**Tynysbek Kalmenov**	Large time asymptotic of solution of the Cauchy problem to double nonlinear parabolic equation with variable density and absorption
10:40-10:55 Erlan Nursultanov, Askhat Mukanov		On Hardy-Littlewood theorem
10:55-11:25 Angel Zhivkov		Geometry and solutions of the planar problem of two centers of gravitation
11:25-11:45	**Coffee break**	
11:45-12:00 Dinmukhammed Akpan	**Angel Zhivkov**	Nijenhuis geometry and geodesically equivalent metrics
12:00-12:15 Bakytbek Sarsenov, Galitdin Bakanov		Investigation of discrete analogs of integral geometry problem with a weight function
12:15-12:30 Lazat Spankulova, Yeldar Nuruly		Methods of Stated and Revealed Preferences: A Case Study in Healthcare Services
12:30-16:00	**Lunch**	
16:00-16:15 Turdybek Nurlybekuly	**Ryskul Oinarov**	Weak version of Doob inequalities of noncommutative martingales
16:15-16:30 Myrzagali Ospanov		On logarithmically submajorization for τ - measurable operators.
16:30-16:45 Lyazzat Sarybekova, Nazerke Tleukhanova		On the Fourier multipliers with respect to the general Haar system
16:45-17:00 Kanat Tulenov		On Fourier Multiplier on Non-Commutative Torus and Applications
17:00-17:20	**Coffee break**	
17:20-17:35 Berikbol Torebek	**Muvasharkhan Jenaliyev**	Critical Exponents for the Exterior Evolution problems
17:35-17:50 Samat Kassabek, Orazbek Narbek		Heat polynomials method for solving inverse Stefan type problems
17:50-18:05 Targyn Nauryz		Nonlinear Stefan problem with a heat source arising in closed electrical contacts
18:05-18:20 Madi Yergaliyev		Direct and inverse problems for the Burgers equation in degenerating domains
18:20-18:35 Bauyrzhan Derbissaly		Inverse source problem for time-fractional diffusion equation with non-local boundary condition
18:35-18:50 Daurenbek Serikbaev		Inverse problem of determining time-dependent source term in the time-fractional heat equation

Time (Istanbul time: UTC/GMT +3 hours) and Speaker	Moderator	Title of the Talk
	October 4, Wednesday	
	Conference Hall (Phaselis Hall), Club Sera Hotel	
	Zoom link: **https://us02web.zoom.us/j/6678270445?pwd=SFNmQUIvT0tRaHlDaVYrN3l5bzJVQT09** **Conference ID: 667 827 0445, Access code: 1**	
10:00-10:30 Muvasharkhan Jenaliyev	Arsen Pskhu	On the regularity of the solution of a hyperbolic equation
10:30 - 10:45 Abdizhahan Sarsenbi		Solvability of boundary value problems for a involutary second-order differential equation
10:45-11:00 Batirkhan Turmetov		On Solvability of Some Inverse Problems for a Parabolic Equation with multiple involution
11:00-11:10 Aidos Shakir		Navier-Stokes-Voigt equations governing density-dependent flows with vacuum
11:10-11:25 Marat Tleubergenov		On the basic inverse problem for a first order differential equation with degenerate diffusion
11:25-11:40 Kordan Ospanov		The third-order differential equation with unbounded coefficients
11:40-12:00	**Coffee break**	
12:00-12:15 Umbetkul Koilyshov	Kordan Ospanov	Solution of initial boundary value problems for the heat equation with discontinuous coefficients arising in financial mathematics
12:15-12:30 Nurlan Imanbaev, Makhmud Sadybekov		Construction of an unconditional basis from elements of the system of root functions of a spectral problem with a linear occurrence of the spectral parameter in the boundary condition
12:30-12:45 Altynshash Bekbauova, Yergali Kurmangaliyev, Askarbek Imanchiyev		A periodic on part of variables solution of an infinite system in the broad sense
12:45-13:00 Murat Sultanov		Numerical algorithms for solving the inverse problem of identifying the initial conditions of a subdiffusion equation
13:00-13:15 Bakytbek Koshanov		On some nonlocal boundary value problems for second-order elliptic systems
Lunch		
Afternoon will be free for informal, individual discussions or simply to enjoy the beautiful surroundings of Antalya		

Time (Istanbul time: UTC/GMT +3 hours) and Speaker	Moderator	Title of the Talk
October 5, Thursday		
Conference Hall (Phaselis Hall), Club Sera Hotel		
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Time (Istanbul time: UTC/GMT +3 hours) and Speaker	**Moderator**	**Title of the Talk**
09:30-10:00 Ari Laptev		Lieb-Thirring inequalities on manifolds with negative curvature
	Durvudkhan Suragan	
10:00-10:30 Ryskul Oinarov		Weight estimates for one class of quasilinear integral operators with kernel
10:30-11:00 Arsen Pskhu		Generalized Stankovich transform and distributed order evolutionary equations
11:00-11:20	**Coffee break**	
11:20-11:35 Alexander Rogovoy		The criterion of minimality of the mixed type Gellerstedt equation
11:35-11:50 Abdullaaziz Artikbayev	**Mersaid Aripov**	Model of the route of railway tracks.
11:50-12:05 Kholmatvay Shadimetov		Optimal Difference Formulas in the Sobolev Spaces
12:05-12:15 Madina Otkel		Finite-Time/Fixed-Time Synchronization of Memristive Shunting Inhibitory Cellular Neural Networks via Sliding Mode Control
12:15-12:25 Zhangir Nuriyev		Finite-Time Synchronization for Fuzzy Shunting Inhibitory Cellular Neural Networks
Lunch		
Afternoon will be free for informal, individual discussions or simply to enjoy the beautiful surroundings of Antalya		

Time (Istanbul time: UTC/GMT +3 hours) and Speaker	Moderator	Title of the Talk
October 6, Friday		
Conference Hall (Phaselis Hall), Club Sera Hotel		
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10:00-10:30 Tynysbek Kalmenov	Ari Laptev	On a method for constructing the Green's function of the Dirichlet problem and regular boundary value problem for the Laplace equation
10:30-10:45 Nurzhan Bokayev		On the compactness of the commutator of the Riesz potential in global Morrey type spaces
10:45-11:05	**Coffee break**	
11:05-11:20 Ayagoz Kankenova	Erlan Nursultanov	Boundedness of the Riesz operator in a Morrey-type space
11:20-11:35 Durvudkhan Suragan		Maximizing Schatten p-Norms and Related Isoperimetric Inequalities
11:35-11:50 Sailaubay Zhumatov		Construction of stable control systems for a given program manifold
11:50-12:05 Ainur Temirkhanova		Weighted Hardy-type inequalities for monotone functions
12:05-12:20 Nazerke Zhangabergenova		Iterated discrete Hardy type inequalities: the case $\theta < p$
12:20-16:00	**Lunch**	
16:00-16:15 Ainur Jumabayeva	Turdybek Nurlybekuly	Inequalities between mixed moduli of smoothness
16:15-16:30 Aidyn Kassymov		Stein-Weiss-Adams inequality on Morrey space
16:30-16:45 Mesut Urun		The Absolute Stable Difference Schemes to the Time-Dependent Source Identification Problem for the Schrödinger Equation
16:45-17:00 Ezgi Soykan Urun		Third-order weighted essentially nonoscillatory schemes for advection-diffusion equation
17:00-17:20	**Coffee break**	
17:20-17:35 Nurgissa Yessirkegenov	Nurzhan Bokayev	Hardy and Rellich identities and inequalities related to Baouendi-Grushin operator
17:35-17:45 Yerkin Shaimerdenov		Critical extended Sobolev type identities and inequalities
17:45-17:55 Almat Orazbayev		Improved Hardy-Sobolev Inequalities
17:55-18:05 Kuralay Apseit		Radial and logarithmic refinements of the weighted Hardy inequality
18:05-18:20 Abdissalam Sarsenbi		Inverse problem for a fourth-order hyperbolic equation with a complex valued coefficient
18:20-18:30 Nursaule Ainakeyeva		Solution of the Cauchy problem of the dynamics of a thermoelastic rod using the Vladimirov method
7 October 2023 (IN PERSON)		
9:30-10:30 Closing		
12:00 - Hotel Check out		

Time (Istanbul time: UTC/GMT +3 hours) and Speaker	Moderator	Title of the Talk
11:00-11:15 Assia Guezane Lakoud		On Fractional Delay Pantograph Differential Equations
11:15-11:30 Aida Sahmur		The dynamics of nonlocal cancer tumor growth model
11:30-11:45 Muhiddinova Oqila Tulqinqizi		Initial-boundary value and inverse problems for higher order equations
11:45-12:00 Obidjon Abdullaev		Direct and Inverse problems for a nonlinear parabolic-hyperbolic equation
12:00-12:15 Ladjimi Meriem		On the fractional neutral Levin-Nohel integro-differential equations
12:15-12:30 Baltabek Kanguzhin, Karlygash Dosmagulova		Solvable problems for the Laplace-Beltrami operator on a two-dimensional sphere with a cut
12:30-12:45 Talgat Akhazhanov		Approximation of functions of two variables of bounded p-fluctuation by polynomials with respect to Walsh systems
12:45-13:00 Rashid Kerimbayev, Lazat Spankulova		Equilibrium State in Economics and the Jacobian
13:00 - 13:15 Ozgur Yıldırım		On the asymptotic solutions of perturbation problems for hyperbolic equations
13:15 - 13:30 Ali Sırma		Time Nonlocal Schrödinger Equation with Spatial Periodic Boundary Condition in Fractional Power Hilbert Spaces
13:30-13:45 Allaberen Ashyralyev, Makhmud Sadybekov		On the Nonlocal Boundary Value Problem with Samarskii–Ionkin Condition I for the Elliptic Differential Equations
13:45-14:00 Veli Shakhmurov		Quality properties of multipoint problem for Schrodinger equations and applications
14:00-14:15 Dauren Matin		Compactness of commutator bilinear Riesz potential in generalized Morrey spaces