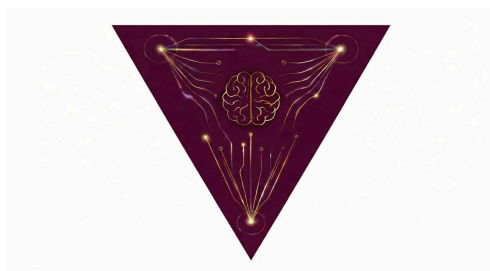


Ministry of Science and Higher Education of the Republic of Kazakhstan  
Science Committee  
Institute of Mathematics and Mathematical Modeling, Kazakhstan  
Kazakhstan Mathematical Society

**ХАЛЫҚАРАЛЫҚ ҒЫЛЫМИ КОНФЕРЕНЦИЯ  
МЕЖДУНАРОДНАЯ НАУЧНАЯ КОНФЕРЕНЦИЯ  
INTERNATIONAL SCIENTIFIC CONFERENCE**



**«Ғалымдар күніне арналған дәстүрлі сәуірлік халықаралық  
математикалық конференция»**

**«Традиционная апрельская международная математическая  
конференция, посвящённая Дню учёных»**

**«Traditional April International Mathematical Conference  
Dedicated to the Day of Scientists»**

**БАҒДАРЛАМА  
ПРОГРАММА  
PROGRAM**

# Shymkent

## April 03–07, 2026

International Scientific Conference

“Traditional April International Mathematical Conference Dedicated to the Day of Scientists”

## Committees

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## PROGRAM\*

### International Scientific Conference

“Traditional April International Mathematical Conference Dedicated to the Day of Scientists”

**Location:** M. Auezov South Kazakhstan University, Shymkent, Tauke Khan Ave 5

OVERVIEW OF SESSION SCHEDULE			
SECTIONS	SATURDAY, APRIL 4 14:00-18:30	MONDAY, APRIL 6 9:00-13:00	TUESDAY, APRIL 7 9:00-13:00
SECTION 1	Room: Assembly Hall (The main building of the university), Tauke Khan Ave 5	Room: Assembly Hall (The main building of the university), Tauke Khan Ave 5	Room: 120 (Building B), Tauke Khan Ave 5
SECTION 2	Room: 124 (Building B), Tauke Khan Ave 5	Room: 124 (Building B), Tauke Khan Ave 5	
SECTION 3	Room: 252, Tauke Khan Ave 5, The main building of the university	Room: 108 (Arizona State University branch), Tauke Khan Ave 5	
SECTION 4		Room: 117 (Arizona State University branch), Tauke Khan Ave 5	

### PLENARY TALK

**Room:** Assembly Hall (The main building of the university), Tauke Khan Ave 5

**MODERATOR:** Makhmud SADYBEKOV

14:00 – 14:20	<b>Key achievements and publication activity of Kazakhstani mathematicians in the period 2012–2025</b>  <b>Berikbol TOREBEK</b> Professor, Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
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### SECTION 1

*Saturday, April 04, 2026*

**Room:** Assembly Hall (The main building of the university), Tauke Khan Ave 5

**MODERATOR:** Makhmud SADYBEKOV

14:20 – 14:35	<b>Fujita exponent for Hormander sums of squares</b>  <b>Michael RUZHANSKY</b> Professor, Ghent University, Ghent, Belgium
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14:35– 14:50	<b>Regular Self-Adjoint Problems for the Laplace Equation</b>  <b>Tynysbek KALMENOV</b> Academician of NAS RK, Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
14:50– 15:05	<b>Пространственно-нелокальные краевые задачи для эволюционных уравнений высокого порядка</b>  <b>Alexander KOZHANOV</b> Professor, Sobolev Institute of Mathematics, Novosibirsk, Russia
15:05– 15:20	<b>Двумерные сингулярные интегралы и обобщенные интегралы типа Коши в весовых пространствах Гельдера</b>  <b>Alexander SOLDATOV</b> Professor, Dorodnitsyn Institute of Computational Mathematics, Moscow, Russia
15:20– 15:35	<b>О начальных задачах для нагруженных гиперболических уравнений</b>  <b>Anatoliy ATTAEV</b> Professor, Institute of Applied Mathematics and Automation of the KBSC RAS, Nalchik, Russia
15:35– 15:50	<b>The Cauchy Problem for a higher-order hyperbolic equation involving the Bessel operator with respect to time</b>  <b>Shakhobiddin KARIMOV</b> Professor, Fergana State University, Fergana, Uzbekistan
15:50 – 16:05	<b>О разрешимости задачи синтеза оптимального управления при нелинейной оптимизации тепловых процессов</b>  <b>Akylbek KERIMBEKOV</b> Professor, Kyrgyz-Russian Slavic University, Bishkek, Kyrgyzstan
16:05– 16:20	<b>Нелокальная по времени краевая задача для дробного диффузионно-волнового уравнения в нецилиндрической области</b>  <b>Arsen PSKHU</b> Professor, Institute of Applied Mathematics and Automation of the KBSC RAS, Nalchik, Russia
16:20 – 16:30	<b>Краевая задача типа Дирихле-Неймана для уравнения эллиптического типа с тремя сингулярными коэффициентами в области, ограниченной двумя параллельными слоями в первом октанте</b>  <b>Mukhlisa MURODOVA</b> Fergana State University, Fergana, Uzbekistan
16:30 – 17:00	<b>COFFEE BREAK</b>

<b>Room: Assembly Hall (The main building of the university), Tauke Khan Ave 5</b>	
<b>MODERATOR: Berikbol TOREBEK</b>	
17:15 – 17:30	<b>Fredholm solvability of a fourth-order elliptic equation with normal derivative boundary conditions on domains with non-compact piecewise smooth boundary</b>  <b>Bakytbek KOSHANOV</b> Professor, Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
17:30 – 17:45	<b>Обратная задача для уравнения третьего порядка с кратными характеристиками и интегральным условием</b>  <b>Guzel ASHUROVA</b> Al-Farabi Kazakh National University, Almaty, Kazakhstan
17:45 – 18:00	<b>Сингулярлы ауытқыған интегро-дифференциалдық тендеу үшін шеттік есеп шешімінің асимптотикалық бағалауы</b>  <b>Kuralay KONISBAEVA</b> Al-Farabi Kazakh National University, Almaty, Kazakhstan
18:00 – 18:15	<b>Existence of traveling wave solutions for the nonlocal derivative nonlinear Schrodinger equation</b>  <b>Mukhtar KARAZYM</b> PhD, Astana IT University, and Nazarbayev University, Astana, Kazakhstan
18:15 – 18:30	<b>Very weak solutions to the Schrodinger equation for Sturm-Liouville operator with singular coefficients</b>  <b>Alibek YESKERMESULY</b> Altynsarin University, Arkalyk, Kazakhstan

### SECTION 1

<b>Monday, April 06, 2026</b>	
<b>Room: Assembly Hall (The main building of the university), Tauke Khan Ave 5</b>	
<b>MODERATOR: Bakytbek KOSHANOV</b>	
9:00 – 9:15	<b>Полнота систем корневых функций дифференциальных операторов третьего порядка с общими граничными условиями</b>  <b>Baltabek KANGUZHIN</b> Professor, al-Farabi Kazakh National University, Almaty, Kazakhstan
9:15 – 9:30	<b>Non-radial solutions of Boussinesq equation</b>  <b>Amin ESFAHANI</b> Nazarbayev University, Astana, Kazakhstan

9:30 – 9:45	<b>К обобщению четырехмерной системы Моисила-Теодореско</b>  <b>Zhanuzak TOKIBETOV</b> Professor, al-Farabi Kazakh National University, Almaty, Kazakhstan
9:45 – 10:00	<b>О начально-краевой задаче для гиперболического уравнения с инволюцией</b>  <b>Batirkhan TURMETOV</b> Professor, Ahmet Yassawi University, Turkistan, Kazakhstan
10:00 – 10:15	<b>A Hamiltonian Dysthe equation for water waves</b>  <b>Adilbek KAIRZHAN</b> Assistant Professor, Nazarbayev University, Astana, Kazakhstan
10:15 – 10:30	<b>Безусловная базисность корневых функций оператора кратного дифференцирования на отрезке со спектральным параметром в одном краевом условии</b>  <b>Nurlan IMANBAYEV</b> Professor, Tashenev University, Shymkent, Kazakhstan
10:30 – 10:45	<b>Solution of a Sturm-type boundary value problem for a fractional parabolic equation with a discontinuous coefficient</b>  <b>Umbetkul KOILYSHOV</b> Associate Professor, Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
10:45 – 11:00	<b>On the construction of a solution to a boundary value problem with a time-asymmetric condition for the viscous-transonic equation in a semi-infinite domain</b>  <b>Yusupjon APAKOV</b> Professor, V.I. Romanovsky Institute of Mathematics, Tashkent, Uzbekistan
11:00 – 11:30	<b>COFFEE BREAK</b>
<b>Room: Assembly Hall (The main building of the university), Tauke Khan Ave 5</b>	
<b>MODERATOR: Baltabek KANGUZHIN</b>	
11:30 – 11:45	<b>Краевая задача для нагруженного уравнения параболо-гиперболического типа третьего порядка в бесконечной трёхмерной области</b>  <b>Yolqin ALIKULOV</b> Tashkent University of Information Technologies named after Muhammad al-Khwarizmi, Tashkent, Uzbekistan

11:45 – 12:00	<b>Фредгольм типті параболалық интегро-дифференциалдық тендеулер үшін жинақталатын және тұрақты сынықтар әдісі</b>  <b>Saule KUANYSH</b> Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
12:00 – 12:15	<b>Solution of two-phase problems for the heat equation with non-local boundary conditions</b>  <b>Nurmukhamed ABDYRAKHIMOV</b> Al-Farabi Kazakh National University, Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
12:15 – 12:30	<b>Solutions to Multilayer Heat Conduction Problems with Nonlocal Boundary Conditions</b>  <b>Sagynysh BARMAGAMBETOV</b> Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
12:30 – 12:45	<b>Solution of the Dirichlet problem for the heat equation with a discontinuous coefficient and general conjugation conditions</b>  <b>Saule ZHAPPAROVA</b> Al-Farabi Kazakh National University, Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
12:45 – 13:00	<b>О разрывных решениях одной краевой задачи со смещением для однородного уравнения Лаврентьева-Бицадзе</b>  <b>Alexander ROGOVOY</b> Associate Professor, Miras University, Shymkent, Kazakhstan

### SECTION 1

<i>Tuesday, April 07, 2026</i>	
<b>Room: 120 (Building B), Tauke Khan Ave 5</b>	
<b>MODERATOR: Makhmud SADYBEKOV</b>	
9:00 – 9:15	<b>Initial-boundary value problem for a fractional-order beam vibration equation involving the Bessel operator</b>  <b>Robiyakhon MAMAJONOVA</b> Professor, Fergana State University, Fergana, Uzbekistan
9:15 – 9:30	<b>Критерий осцилляторности для одного класса квазилинейных разностных уравнений второго порядка</b>  <b>Dinaz BALTABAY</b> L.N.Gumilyov Eurasian National university, Astana, Kazakhstan

9:30 – 9:45	<b>Комплексе мәнді коэффициенті бар төртінші ретті жылуөткізгіштік теңдеуі үшін кері есептің шешімділігі</b>  <b>Aselkhan IMANBETOVA</b> M. Auezov South Kazakhstan University, Shymkent, Kazakhstan
9:45 – 10:00	<b>Vibration transport solution of the two dimensional Klein-Gordon-Fock equation</b>  <b>Aisara ISHAN</b> SDU University, Kaskelen, Kazakhstan
10:00 – 10:15	<b>Локалді емес псевдогиперболалық теңдеу үшін бастапқы-шеттік есептің шешімділігі</b>  <b>Yelnar KADYLKHANULY</b> Al-Farabi Kazakh National University, Almaty, Kazakhstan
<b>10:15</b> – <b>10:30</b>	<b>BREAK</b>
<b>MODERATOR: Araz ALIEV</b>	
10:30 – 10:45	<b>Регулярные самосопряженные задачи для уравнения Геллерстедта</b>  <b>Ayan KADIRBEK</b> Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
10:45 – 11:00	<b>Inverse source problems for time-fractional diffusion with a singular involution operator</b>  <b>Samat MAMBETOV</b> Ahmet Yassawi University, Turkistan, Kazakhstan
11:00 – 11:45	<b>О разрешимости задачи синтеза оптимального управления при нелинейной оптимизации тепловых процессов</b>  <b>Rai BERIKKHANOV</b> Professor, Jusup Balasagun Kyrgyz National University, Bishkek, Kyrgyzstan
11:45 – 12:00	<b>Салмақтық Соболев кеңістіктеріндегі кубтық Шредингер теңдеуінің шешімдерінің тегістігі</b>  <b>Aruzhan SLYAMKANOVA</b> L.N.Gumilyov Eurasian National university, Astana, Kazakhstan
12:00 – 12:15	<b>Об одной нелокальной задаче для эллиптического уравнения с инволюцией</b>  <b>Dinara ALTYNBEK</b> M. Auezov South Kazakhstan University, Shymkent, Kazakhstan

12:15 – 12:30	<b>Инволюциясы бар полигармониялық тендеудің бейлокал аналогы үшін Навьє типіндегі шеттік есептің шешімілігі</b>  <b>Ainur SHALKHAR</b> <b>L.N.Gumilyov Eurasian National University</b>
12:30 – 12:45	<b>Төртінші ретті таза инволюциялы өз өзіне түйіндес емес оператордың базисі</b>  <b>Nuraiym NARBЕКOVA</b>  <b>M. Auezov South Kazakhstan Research University</b>

## SECTION 2

*Saturday, April 04, 2026*

**Room: 124 (Building B), Tauke Khan Ave 5**

**MODERATOR: Pavel PANKOV**

14:20 – 14:35	<b>О нестационарной двухмерной системе моментных уравнений и макроскопических граничных условиях на подвижной границе</b>  <b>Auzhan SAKABEKOV</b> Satbayev University, Almaty, Kazakhstan
14:35– 14:50	<b>Development of the theory of singular perturbations for linear ordinary differential equations with multiple spectrum</b>  <b>Abubakir DZHURAEV</b> Jalal-Abad State University named after B. Osmonov, Kyrgyzstan
14:50– 15:05	<b>Методы и основы теории многопериодических систем с оператором дифференцирования по диагонали</b>  <b>Zhaishylik SARTABANOV</b> Zhubanov Aktobe Regional University, Aktobe, Kazakhstan
15:05– 15:20	<b>Synchronization of Neural Networks Under Stochastic Deception Attacks Using Markov Switched Control and Its Application to Image Encryption</b>  <b>Ardak KASHKYNBAYEV</b> Associate Professor, Nazarbayev University, Astana, Kazakhstan
15:20– 15:35	<b>Modeling Tumor-Immune Dynamics: Synergistic Combination Treatment and the Role of Dynamic PD-L1 Regulation</b>  <b>Aigerim KALIZHANOVA</b> Nazarbayev University, Astana, Kazakhstan
15:35– 15:50	<b>On the asymptotic representation of the solution of the heat exchange problem in electrical contacts under the Kohler effect</b>  <b>Samat KASSABEK</b>

	Nazarbayev University, Astana, Kazakhstan
15:50 – 16:05	<b>Heat Equation driven by mixed local-nonlocal operators with non-regular space-dependent coefficients</b>  <b>Arshyn ALTYBAY</b> PhD, Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
16:05– 16:20	<b>Category of dynamic systems with special solutions (with dominance)</b>  <b>Zhumagul ZHEENTAeva</b> Kyrgyz-Uzbek International University named after B.Sydykov, Osh, Kyrgyzstan
16:20 – 16:30	<b>Category of topological spaces with movement of stretched objects</b>  <b>Adaxhamzhan ZHORAeV</b> Associate Professor, Kyrgyz-Uzbek International University named after B.Sydykov, Osh, Kyrgyzstan
16:30 – 17:00	<b>COFFEE BREAK</b>

**Room: 124 (Building B), Tauke Khan Ave 5**

<b>MODERATOR: Murat RAMAZANOV</b>	
17:00 – 17:15	<b>Artificial intellect's senses and applying in mathematics</b>  <b>Pavel PANKOV</b> Professor, Institute of Mathematics of NAS of KR, Bishkek, Kyrgyzstan
17:15 – 17:30	<b>Finite-Time Output-Feedback Dissipative Observer for Delayed Uncertain Impulsive Fractional-Order Memristive Neural Networks</b>  <b>Zhangir NURIEV</b> Nazarbayev University, Astana, Kazakhstan
17:30 – 17:45	<b>Mixing Inequality for Homotopy Distance</b>  <b>Nursultan KUANYSHOV</b> Assistant professor, SDU University, Kaskelen, Kazakhstan
17:45 – 18:00	<b>О разрешимости начально-краевой задачи для нелинейного уравнения Нортон-Бейли</b>  <b>Agnur KAIRATKYZY</b> L. N. Gumilyov Eurasian National University, Astana, Kazakhstan
18:00 – 18:15	<b>Estimation for Discrete Hardy-Littlewood Maximal Operator on Discrete Weighted Morrey Spaces</b>  <b>Zahir ZABIBULLA</b> L.N. Gumilyov Eurasian National University, Astana, Kazakhstan

18:15 – 18:30	<b>A note on lifespan estimates for higher-order parabolic equations</b>  <b>Nurdaulet TOBAKHANOV</b> Nazarbayev University, Astana, Kazakhstan
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## SECTION 2

*Monday, April 06, 2026*

**Room: 124 (Building B), Tauke Khan Ave 5**

**MODERATOR: Tursun YULDASHEV**

9:00 – 9:15	<b>Нелокальная краевая задача для уравнения теплопроводности с подвижной линией наблюдения</b>  <b>Murat RAMAZANOV, Alibek TANIN</b> Professor, Buketov Karaganda National Research University, Karaganda, Kazakhstan
9:15 – 9:30	<b>On the fundamental system of smooth solenoidal functions in the cubic domain</b>  <b>Muvasharkhan JENALIYEV</b> Professor, Institute of mathematics and mathematical modeling, Almaty, Kazakhstan
9:30 – 9:45	<b>On a solution of the periodic boundary value problem for a hyperbolic equation with a fractional derivative</b>  <b>Nurgul ORUMBAYEVA</b> Professor, Buketov Karaganda National Research University, Karaganda, Kazakhstan
9:45 – 10:00	<b>On Hutchinson population model for differential equations with maxima</b>  <b>Abdymanap PIRMATOV</b> Osh State University, Osh, Kyrgyzstan
10:00 – 10:15	<b>On a Solution to a BVP for a loaded Time-Fractional Equation</b>  <b>Minzilya KOSMAKOVA</b> Professor, Buketov Karaganda National Research University, Karaganda, Kazakhstan
10:15 – 10:30	<b>Stability of control systems with differentiable nonlinearity in the vicinity of a program manifold</b>  <b>Sailaubay ZHUMATOV</b> Professor, Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
10:30 – 10:45	<b>Построение решения нелинейного интегро-дифференциального уравнения в частных производных четвертого порядка с вырожденным ядром</b>  <b>Elmira MAMAZIAEVA</b> Professor, Osh State University, Osh, Kyrgyzstan

10:45 – 11:00	<b>Численный анализ сходимости приближенных решений задачи слежения при нелинейной оптимизации колебательных процессов</b>  <b>Elmira ABDYLDAEVA</b> Professor, Kyrgyz-Turkish Manas University, Bishkek, Kyrgyzstan
11:00 – 11:30	<b>COFFEE BREAK</b>

<b>Room: 124 (Building B), Tauke Khan Ave 5</b>	
<b>MODERATOR: Abubakir DZHURAEV</b>	
11:30 – 11:45	<b>Краевая задача для уравнения смешанного типа дробного порядка в смысле Капуто со спектральным параметром</b>  <b>Bozor ISLOMOV</b> National University of Uzbekistan named after Mirzo Ulugbek, Tashkent, Uzbekistan
11:45 – 12:00	<b>Optimal control problem in inverse boundary regime for a pseudoparabolic equation</b>  <b>Tursun YULDASHEV</b> Professor, Tashkent State Transport University, Tashkent, Uzbekistan
12:00 – 12:15	<b>On the inverse problem of variational calculus for a system of first-order differential equations with degenerate diffusion</b>  <b>Marat TLEUBERGENOV</b> Professor, Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
12:15 – 12:30	<b>The third boundary value problem for a hyperbolic-parabolic equation with a variable thermal conductivity coefficient and a nonlinear radiation source</b>  <b>Sergey MUNYAEV</b> Professor, Department of Mathematics, ESSUTM, Ulan-Ude, Russia
12:30 – 12:45	<b>Numerical simulation of Korteweg-de Vries equation with moving Boundaries</b>  <b>Nurbol KOSHKARBAYEV</b> Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
12:45 – 13:00	<b>Comparison principle for nonlinear fractional diffusion equation</b>  <b>Meiirkhan BORIKHANOV</b> PhD, Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan

### SECTION 3

<i>Saturday, April 04, 2026</i>	
<b>ROOM: 252, Tauke Khan Ave 5, The main building of the university</b>	
<b>MODERATOR: Kordan OSPANOV</b>	

14:20 – 14:35	<b>Reduction theorems and characterization of weighted inequalities for a discrete supremal operator including the discrete Hardy operator</b>  <b>Nurzhan BOKAYEV</b> Professor, L.N. Gumilyov Eurasian National University, Astana, Kazakhstan
14:35– 14:50	<b>Selection principles in ordered uniform spaces</b>  <b>Ulukbek SAKTANOV</b> Professor, Jusup Balasagun Kyrgyz National University, Bishkek, Kyrgyzstan
14:50– 15:05	<b>Approximation numbers of some classes of Fourier series operators on multi-dimensional torus</b>  <b>Dauren BAZARKHANOV</b> Professor, Institute of Mathematics and Math Modeling, Almaty, Kazakhstan
<b>MODERATOR: Nurzhan BOKAYEV</b>	
15:05 – 15:20	<b>Асимптотическое решение сингулярно возмущенной интегро-дифференциальной системы с нестабильным спектральным значением</b>  <b>Burkhan KALIMBETOV</b> Professor, M. Auezov South Kazakhstan University
15:20 – 15:35	<b>О некоторых математических моделях в экономике</b>  <b>Zhamal BEKSARIEVA</b> Associate Professor, Osh Technological University, Osh, Kyrgyzstan
15:35 – 15:50	<b>Вторая краевая задача с интегральным граничным условием по времени для уравнения смешанного типа второго порядка</b>  <b>Ivan EGOROV</b> Professor, M.K. Ammosov North-Eastern Federal University, Yakutsk, Russia
15:50 – 16:05	<b>On Critical Hardy Inequalities, Stability, and Applications to Nonlinear Parabolic Equations</b>  <b>Yerkin SHAIMERDENOV</b> SDU University and Institute of mathematics and mathematical modeling, Almaty, Kazakhstan
16:05 – 16:20	<b>Estimates for integral majorants on the cones of monotone functions</b>  <b>Gulden KARSHYGINA</b> Astana International University, Astana, Kazakhstan
16:20 – 16:35	<b>Построение решения начальной задачи для дифференциального уравнения в частных производных третьего порядка</b>  <b>Zhuomart MAMBETOV</b>

	Osh Technological University named after M. Adyshev, Osh, Kyrgyzstan
16:35 – 17:00	<b>COFFEE BREAK</b>

<b>ROOM: 252, Tauke Khan Ave 5, The main building of the university</b>	
<b>MODERATOR: Erlan NURSULTANOV</b>	
17:00 – 17:15	<b>The Oscillatory of one class of the High-Order Sturm-Liouville difference equation</b>  <b>Dinara SARSENALY, Ainur TEMIRKHANOVA</b> L.N. Gumilyov Eurasian National University, Astana, Kazakhstan
17:15 – 17:30	<b>Bochkarev's inequalities in the Anisotropic grand Lorentz Spaces</b>  <b>Makhpal MANARBEEK, Nazerke TLEUKHANOVA</b> Nazarbayev University, Astana and Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
17:30 – 17:45	<b>On weighted estimates for certain quasilinear operators</b>  <b>Nazerke ZHANGABERGENOVA</b> L.N. Gumilyov Eurasian National University, Astana, Kazakhstan
17:45 – 18:00	<b>Boundedness of generalized fractional maximal functions in generalized weight Lorentz spaces</b>  <b>Azhar ABEK</b> L.N. Gumilyov Eurasian National University, Astana, Kazakhstan
18:00 – 18:15	<b>О разрешимости краевой задачи для обыкновенного дифференциального уравнения с инволюцией</b>  <b>Kairat USMANOV</b> Professor, Ahmet Yassawi University, Turkistan, Kazakhstan
18:15– 18:30	<b>Екінші ретті өзіне-өзі түйіндес емес инволюциялы дифференциалдық операторы бар псевдопараболалық теңдеу үшін кері есеп</b>  <b>Акбопе BEISEBAYEVA</b> M. Auezov South Kazakhstan University, Shymkent, Kazakhstan

### SECTION 3

<i>Monday, April 06, 2026</i>	
<b>ROOM: 108 (Arizona State University branch), Tauke Khan Ave 5</b>	
<b>MODERATOR: Nurbek KAKHARMAN</b>	
9:00 – 9:15	<b>Сетевые пространства и их приложения</b>  <b>Erlan NURSULTANOV</b>

	Professor, Kazakhstan branch of Lomonosov Moscow State University, Astana, Kazakhstan
9:15 – 9:30	<b>On Geometric Lower Bounds for the Polyharmonic Dirichlet Spectrum</b> <b>Durvudkhan SURAGAN</b> Professor, Nazarbayev University, Astana, Kazakhstan
9:30 – 9:45	<b>Pre-compactness of sets in the discrete Morrey space</b> <b>Dauren MATIN</b> L.N. Gumilyov Eurasian National University, Astana, Kazakhstan
9:45 – 10:00	<b>Convergence of noncommutative <math>L_1</math>-martingales</b> <b>Turdybek NURLYBEKULY</b> Professor, L.N.Gumilyov Eurasian National university, Astana, Kazakhstan
10:00 – 10:15	<b>On Besov's Problem</b> <b>Muhammad Asad ZAIGHUM</b> Associate Professor, Heriot Watt University International Campus, K. Zhubanov Aktobe Regional University
10:15 – 10:30	<b>Stability of <math>L^p</math>-Poincare and Heisenberg-Pauli-Weyl inequalities with applications to spectral gaps</b> <b>Nurgissa YESSIRKEGENOV</b> Associate Professor, KIMEP University, Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
10:30 – 10:45	<b>Generalized potential operators in weighted grand Herz spaces</b> <b>Almat ORAZBAYEV</b> Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
10:45 – 11:00	<b>Effects and Phenomena: Definitions, Categories, and Algorithms</b> <b>Gulay KENENBAYEVA</b> Kyrgyz National University named after J. Balasagyn, Bishkek, Kyrgyzstan
11:00 – 11:30	<b>COFFEE BREAK</b>

**ROOM: 108 (Arizona State University branch), Tauke Khan Ave 5**

**MODERATOR: Nurgissa YESSIRKEGENOV**

11:30 – 11:45	<b>On an equivalent embedding for generalized discrete Riesz potentials</b> <b>Gulmira KENZHEBEKOVA</b> L.N. Gumilyov Eurasian National University, Astana, Kazakhstan
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11:45 – 12:00	<b>Теорема Эфроса для оператора Вольтерра с ядром райта</b> <b>Madi OMAROV</b> Buketov Karaganda National Research University, Karaganda, Kazakhstan
12:00 – 12:15	<b>Vainikko Operator on Grand Morrey Sequence Spaces</b> <b>Aizhan TULENDINOVA</b> Nazarbayev University, Astana, Kazakhstan
12:15 – 12:30	<b>Some lower bounds for the first eigenvalue of the fractional Laplacian.</b> <b>Meirbek SLYAMKHAN</b> Nazarbayev University, Astana, Kazakhstan
12:30 – 12:45	<b>On equivalent inequalities for discrete Hardy-type operators</b> <b>Nurgul KUZEUBAYEVA</b> L.N. Gumilyov Eurasian National University, Astana, Kazakhstan

#### SECTION 4

*Monday, April 06, 2026*

**ROOM: 117 (Arizona State University branch), Tauke Khan Ave 5**

**MODERATOR: Viktor VERBOVSKIY**

9:00 – 9:20	<b>Fractal Models and Fractal Theories</b> <b>Aibat YESHKEYEV</b> Professor, Buketov Karaganda National Research University, Karagandy, Kazakhstan
9:20 – 9:40	<b>Null Lagrangians in free Novikov algebras</b> <b>Nurlan ISMAILOV</b> Astana IT University, Astana, Kazakhstan
9:40 – 10:00	<b>Some examples of non-locally finite coalgebras</b> <b>Daniyar KOZYBAYEV</b> Dean, L.N. Gumilyov Eurasian National University, Astana, Kazakhstan
10:00 – 10:20	<b>On the perfection of Jonsson theories under stability and locally E-finitely basedness conditions</b> <b>Galiya ZHUMABEKOVA</b> PhD, Karaganda University named after E.A. Buketov, Karagandy, Kazakhstan
10:20 – 10:40	<b>On the connection between holographic of hybrid Jonsson theories and their centers</b> <b>Nazerke MUSSINA</b> PhD, Buketov Karaganda National Research University, Karagandy, Kazakhstan

10:40 – 11:00	<b>On existentially prime theories</b>  <b>Indira TUNGUSHBAYEVA</b> PhD, Buketov Karaganda National Research University, Karagandy, Kazakhstan
<b>11:00</b> – <b>11:30</b>	<b>COFFEE BREAK</b>
<b>MODERATOR: Aibat YESHKEYEV</b>	
11:30 – 11:45	<b>On the local strict order property inside a cut in linearly ordered structures</b>  <b>Viktor VERBOVSKIY</b> Principal Researcher, Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
11:45 – 12:00	<b>Automorphisms of free braided nonassociative algebras of rank 2</b>  <b>Riza MUTALIP</b> PhD, L.N. Gumilyov Eurasian National University, Astana, Kazakhstan
12:00 – 12:15	<b>Solvable Leibniz superalgebras whose nilradical has the characteristic sequence <math>(n \setminus \setminus m-1, 1)</math> and nilindex <math>n+m</math>.</b>  <b>Khosiyat MURATOVA</b> Professor, Kimyo International University in Tashkent, Uzbekistan
<b>MODERATOR: Muvasharkhan JENALIYEV</b>	
12:15 – 12:30	<b>Density-type properties of the space of the solutions of an ordinary differential equation</b>  <b>Zhyldyz ARTYKOVA</b> Osh State University, Osh, Kyrgyzstan
12:30 – 12:45	<b>On Deriving Partial Differential Equations from Functional Relations</b>  <b>Elaman KENENBAYEV</b> Institute of Mathematics of NAS of KR, Bishkek, Kyrgyzstan

*\*The conference is held within the framework of the First Congress of Mathematicians of Kazakhstan and is organized as part of its scientific program.*