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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D. Suragan — Academician of NAS RK at the President of RK, Professor at Nazarbayev University, Astana, Kazakhstan

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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	**Key achievements and publication activity of Kazakhstani mathematicians in the period 2012–2025** **Berikbol TOREBEK** Professor, Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan

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	**Fujita exponent for Hormander sums of squares** **Michael RUZHANSKY** Professor, Ghent University, Ghent, Belgium

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

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

SECTION 1

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

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

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

SECTION 1

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

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

12:15 – 12:30	**Инволюциясы бар полигармониялық теңдеудің бейлокал аналогы үшін Навье типіндегі шеттік есептің шешімілігі** **Ainur SHALKHAR** **L.N.Gumilyov Eurasian National University**
12:30 – 12:45	**Төртінші ретті таза инволюциялы өз өзіне түйіндес емес операторлың базисі** **Nuraiym NARBEKOVA** **M. Auezov South Kazakhstan Research University**

SECTION 2

Saturday, April 04, 2026	
Room: 124 (Building B), Tauke Khan Ave 5	
MODERATOR: Pavel PANKOV	
14:20 – 14:35	**О нестационарной двухмерной системе моментных уравнений и макроскопических граничных условиях на подвижной границе** **Auzhan SAKABEKOV** Satbayev University, Almaty, Kazakhstan
14:35– 14:50	**Development of the theory of singular perturbations for linear ordinary differential equations with multiple spectrum** **Abubakir DZHURAEV** Jalal-Abad State University named after B. Osmonov, Kyrgyzstan
14:50– 15:05	**Методы и основы теории многопериодических систем с оператором дифференцирования по диагонали** **Zhaishylik SARTABANOV** Zhubanov Aktobe Regional University, Aktobe, Kazakhstan
15:05– 15:20	**Synchronization of Neural Networks Under Stochastic Deception Attacks Using Markov Switched Control and Its Application to Image Encryption** **Ardak KASHKYNBAYEV** Associate Professor, Nazarbayev University, Astana, Kazakhstan
15:20– 15:35	**Modeling Tumor-Immune Dynamics: Synergistic Combination Treatment and the Role of Dynamic PD-L1 Regulation** **Aigerim KALIZHANOVA** Nazarbayev University, Astana, Kazakhstan
15:35– 15:50	**On the asymptotic representation of the solution of the heat exchange problem in electrical contacts under the Kohler effect** **Samat KASSABEK**

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

Room: 124 (Building B), Tauke Khan Ave 5	
MODERATOR: Murat RAMAZANOV	
17:00 – 17:15	**Artificial intellect's senses and applying in mathematics** **Pavel PANKOV** Professor, Institute of Mathematics of NAS of KR, Bishkek, Kyrgyzstan
17:15 – 17:30	**Finite-Time Output-Feedback Dissipative Observer for Delayed Uncertain Impulsive Fractional-Order Memristive Neural Networks** **Zhangir NURIEV** Nazarbayev University, Astana, Kazakhstan
17:30 – 17:45	**Mixing Inequality for Homotopy Distance** **Nursultan KUANYSHOV** Assistant professor, SDU University, Kaskelen, Kazakhstan
17:45 – 18:00	**О разрешимости начально-краевой задачи для нелинейного уравнения Нортона-Бейли** **Agnur KAIRATKYZY** L. N. Gumilyov Eurasian National University, Astana, Kazakhstan
18:00 – 18:15	**Estimation for Discrete Hardy-Littlewood Maximal Operator on Discrete Weighted Morrey Spaces** **Zahir ZABIBULLA** L.N. Gumilyov Eurasian National University, Astana, Kazakhstan

18:15 – 18:30	**A note on lifespan estimates for higher-order parabolic equations** **Nurdaulet TOBAKHANOV** Nazarbayev University, Astana, Kazakhstan

SECTION 2

Monday, April 06, 2026	
Room: 124 (Building B), Tauke Khan Ave 5	
MODERATOR: Tursun YULDASHEV	
9:00 – 9:15	**Нелокальная краевая задача для уравнения теплопроводности с подвижной линией наблюдения** **Murat RAMAZANOV, Alibek TANIN** Professor, Buketov Karaganda National Research University, Karaganda, Kazakhstan
9:15 – 9:30	**On the fundamental system of smooth solenoidal functions in the cubic domain** **Muvasharkhan JENALIYEV** Professor, Institute of mathematics and mathematical modeling, Almaty, Kazakhstan
9:30 – 9:45	**On a solution of the periodic boundary value problem for a hyperbolic equation with a fractional derivative** **Nurgul ORUMBAYEVA** Professor, Buketov Karaganda National Research University, Karaganda, Kazakhstan
9:45 – 10:00	**On Hutchinson population model for differential equations with maxima** **Abdymanap PIRMATOV** Osh State University, Osh, Kyrgyzstan
10:00 – 10:15	**On a Solution to a BVP for a loaded Time-Fractional Equation** **Minzilya KOSMAKOVA** Professor, Buketov Karaganda National Research University, Karaganda, Kazakhstan
10:15 – 10:30	**Stability of control systems with differentiable nonlinearity in the vicinity of a program manifold** **Sailaubay ZHUMATOV** Professor, Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan
10:30 – 10:45	**Построение решения нелинейного интегро-дифференциального уравнения в частных производных четвертого порядка с вырожденным ядром** **Elmira MAMAZIAEVA** Professor, Osh State University, Osh, Kyrgyzstan

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

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

SECTION 3

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

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

	Osh Technological University named after M. Adyshev, Osh, Kyrgyzstan
16:35 – 17:00	**COFFEE BREAK**

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

SECTION 3

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

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

ROOM: 108 (Arizona State University branch), Tauke Khan Ave 5	
MODERATOR: Nurgissa YESSIRKEGENOV	
11:30 – 11:45	**On an equivalent embedding for generalized discrete Riesz potentials** **Gulmira KENZHEBEKOVA** L.N. Gumilyov Eurasian National University, Astana, Kazakhstan

11:45 – 12:00	**Теорема Эфроса для оператора Вольтерра с ядром райта** **Madi OMAROV** Buketov Karaganda National Research University, Karaganda, Kazakhstan
12:00 – 12:15	**Vainikko Operator on Grand Morrey Sequence Spaces** **Aizhan TULENDINOVA** Nazarbayev University, Astana, Kazakhstan
12:15 – 12:30	**Some lower bounds for the first eigenvalue of the fractional Laplacian.** **Meiirbek SLYAMKHAN** Nazarbayev University, Astana, Kazakhstan
12:30 – 12:45	**On equivalent inequalities for discrete Hardy-type operators** **Nurgul KUZEUBAYEVA** 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	**Fractal Models and Fractal Theories** **Aibat YESHKEYEV** Professor, Buketov Karaganda National Research University, Karagandy, Kazakhstan
9:20 – 9:40	**Null Lagrangians in free Novikov algebras** **Nurlan ISMAILOV** Astana IT University, Astana, Kazakhstan
9:40 – 10:00	**Some examples of non-locally finite coalgebras** **Daniyar KOZYBAYEV** Dean, L.N. Gumilyov Eurasian National University, Astana, Kazakhstan
10:00 – 10:20	**On the perfection of Jonsson theories under stability and locally E-finitely basedness conditions** **Galiya ZHUMABEKOVA** PhD, Karaganda University named after E.A. Buketov, Karagandy, Kazakhstan
10:20 – 10:40	**On the connection between holographicity of hybrid Jonsson theories and their centers** **Nazerke MUSSINA** PhD, Buketov Karaganda National Research University, Karagandy, Kazakhstan

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