"Inverse and III-posed problems: Theory and Numerics", XII international scientific conference and young scientist school

CONFERENCE PROGRAM. CURRENT VERSION. 15.10.2020 Novosibirsk time zone: GMT+7

	October 4, Sunday	Connect to the Zoom conference https://zoom.us/j/96799634304? pwd=R2RwNHQ5Y3/zQWw0WkN1Zm5qVWZwZz09 The conference ID: 967 9963 4304 Password: 996155	
10:00-10:40	Gunther Uhlmann University of Washington (Seattle, USA)	Inverse Problems for Nonlinear Hyperbolic Equations	
13:30-14:30	Lunch		
		Sobolev Institute of Mathematics, Koptyga street 4, Conference Hall Online: connect to the Zoom conference https://zoom.us/j/967996343047 pwd=R2RwlHQ5Y3lzQWw0WkN1Zm5qVWZwZz09 The conference ID: 967 9963 4304 Password: 996155	
	A.M. Kardashevsky, V.I. Vasiliev, V.V. Popov, L. Su Ammosov North-Eastern Federal University (Yakutsk, Russia)	Computational identification of the stationary source of the anomalous diffusion equation	

	October 5, Monday	Connect to the Zoom conference https://zoom.us/j/96799634304? pwd=R2RwlHIQ5Y3lzQWw0WkN1Zm5qVWZwZz09 The conference ID: 967 9963 4304 Password: 996155	
9:30-10:10	N.A. Kolchanov Institute of Cytology and Genetics (Novosibirsk, Russia)	Bioinformatics, System Biology ang Big Genetic Data	
10:15-10:55	V.P. Golubyatnikov Sobolev Institute of Mathematics (Novosibirsk, Russia)	Direct and inverse problems of modeling gene networks	
11:00-11:40	N.V. Denisova Khristianovich Institute of Theoretical and Applied Mechanics (Novosibirsk, Russia)	Modern approaches to solving inverse ill-posed problems of image reconstruction in nuclear medicine	
11:45-12:25	O.I. Krivorotko Institute of Computational Mathematics and Mathematical Geophysics (Novosibirsk, Russia)	Identification problems for mathematical models of COVID-19	
12:30-12:45	M.I. Sosnovskaya, O.I. Krivorotko Novosibirsk State University (Novosibirsk, Russia)	Optimization agent-based model of COVID-19 in Novosibirsk region	
12:50-13:05	A.Yu. Prikhodko, M.A. Shishlenin, N.M. Prokhoshin Institute of Computational Mathematics and Mathematical Geophysics (Novosibirsk, Russia)	Modernization of the optimization functional for SEIR-D model	
13:05-14:00	Lunch		
14:00-14:40	A.A. Romanyukha, A.S. Karkach, T.E. Sannikova Marchuk Institute of Numerical Mathematics (Moscow, Russia)	Small scale variations of tuberculosis incidence dynamics	
14:45-15:25	K.K. Avilov Marchuk Institute of Numerical Mathematics (Moscow, Russia)	Practical problems in mathematical epidemiology. Examples from epidemiology of tuberculosis	
15:30-16:10	A.V. Gasnikov Moscow Institute of Physics and Technology (Moscow, Russia)	III-posed inverse problems and error accumulation in accelerated method of convex optimization	
16:15-16:55	O.A. Kuzenkov Lobachevsky State University of Nizhny Novgorod (Nizhny Novgorod, Russia)	Mathematical modeling of selection and evolutionary fitness processes	
17:00-17:40	M.V. Tamm Lomonosov Moscow State University (Moscow, Russia)	Mean field models of epidemic spread	

	October 6, Tuesday	Connect to the Zoom conference https://zoom.us/j/92926153502? pwd=Y3E4SHdvTEtHRHNWUDVzamlzTmRLQT09			
	Section I	The conference ID: 929 2615 3502 Password: 400636			
9:00-9:40	Jijun Liu Southeast University (Nanjing, China)	Solving ill-posed problems by dynamical system method			
9:45-10:25	Victor Isakov Wichita State University (Wichita, USA)	Increasing stability in the Cauchy and inverse problems			
10:30-11:10	Gen Nakamura Hokkaido University (Sapporo, Japan)	An Inverse Problem for Anisotropic Elastic Equation			
11:15-11:55	Jun Zou Chinese University of Hong Kong (Hong Kong, China)	Direct sampling methods for nonlinear inverse problems			
12:00-12:40	Yalchin Efendiev Texas A&M University (College Station, USA)	Multiscale modeling and learning for heterogeneous flows			
12:45-13:25	Alemdar Hasanoglu Kocaeli University (Kocaeli, Turkey)	Identification of an unknown shear force in a cantilever Euler-Bernoulli beam from Neumenn-to-Neumann opertor: Applications in nanotechnology			
13:30-14:30	Lunch				
14:30-15:00	Openening Ceremony	M.P. Fedoruk, Yu.L. Ershov, I.V. Marchuk, A. Hasanoglu (Turkey), M.A. Bektemesov (Kazakhstan) On the role of mathematical modeling in physics			
15:00-15:40	M.P. Fedoruk Novosibirsk State University (Novosibirsk, Russia)				
15:45-16:25	I.V. Marchuk Novosibirsk State University (Novosibirsk, Russia)	Intensification of vapor condensation on curvilinear surfaces			
16:30-17:10	M.A. Shishlenin Institute of Computational Mathematics and Mathematical Geophysics (Novosibirsk, Russia)	Inverse Problems and Conservation Laws			
17:15-17:55	Otmar Scherzer University of Vienna (Vienna, Austria)	Coupled Physics Imaging - Some Recent Progress			
18:00-18:40	E.E. Tyrtyshnikov Marchuk Institute of Numerical Mathematics (Moscow, Russia)	Well-posed formulation of a problem of solving linear systems that are equivalent in accuracy			

	October 6, Tuesday	Connect to the Zoom conference https://zoom.us/j/96799634304? pwd=R2RwNHQ5Y3IzQWw0WkN1Zm5qVWZwZz09		
	Section II	The conference ID: 967 9963 4304 Password: 996155		
9:30-10:10	E.Yu. Derevtsov Sobolev Institute of Mathematics (Novosibirsk, Russia)	The problem of uniqueness in tensor tomography		
10:15-10:55	I.G. Kazantsev Institute of Computational Mathematics and Mathematical Geophysics (Novosibirsk, Russia)	Identifying corner structures in 3D images		
	G.Z. Lotova, G.A. Mikhailov Institute of Computational Mathematics and Mathematical Geophysics (Novosibirsk, Russia)	Numerical and statistical assessment of the asymptotics of the particle flux in a random environment with an application to the analysis of the dynamics of the COVID-19 pandemic		
11:45-12:00	A.I. Takuadina Gumilyov Eurasian National University (Nur-Sultan, Kazakhstan)	Development of methods and algorithms for creating an intelligent system in the epidemiology problems		
12:05-12:20	N.Yu. Zyatkov Institute of Computational Mathematics and Mathematical Geophysics (Novosibirsk, Russia)	Predicting US Economic Crises Using Machine Learning Techniques		
12:25-12:40	T.A. Zvonoreva, O.I. Krivorotko Novosibirsk State University (Novosibirsk, Russia)	Gradient-based approach for solving source problem in social networks		
12:40-13:00	Coffee break			
13:00-13:40	F.T. Aleskerov, S.S. Demin, A.L. Myachin, V.I. Yakuba Higher School of Economics (Moscow, Russia)	Analysis of the pandemic and assessment of the effectiveness of quarantine measures in the largest countries of the world		
13:45-14:25	F.S. Stonyakin Vernadsky Crimean Federal University (Simferopol, Republic of Crimea)	Adaptive Methods for Large-scale Optimization Problems with Different Level of Smoothness		
14:30-14:45	A.D. Satybaev Osh Technological University (Osh, Kyrgyzstan)	Finite-difference regularized solution of the one-dimensional inverse problem of the propagation of the action potential in the nerve fiber		
14:50-15:05	A.A. Sultangazin Al-Farabi Kazakh National University (Almaty, Kazakhstan)	Biomechanical modeling of some structures of the spine		
15:10-15:50	G.M. Kuramshina Lomonosov Moscow State University (Moscow, Russia)	Inverse problems in modeling force fields of biological molecular systems		

	October 7, Wednesday	Connect to the Zoom conference https://zoom.us/j/92926153502? pwd=Y3E4SHdvTEtHRHNWUDVzamlzTmRLQT09		
		The conference ID: 929 2615 3502 Password: 400636		
9:00-9:40	D.N. Sidorov Melentiev Energy Systems Institute (Irkutsk, Russia)	Integral dynamic models: theory and applications in power engineering		
9:45-10:25	M.I. Belishev St. Petersburg Department of Steklov Institute of Mathematics (Saint Petersburg, Russia)	Algebras in inverse problems		
10:30-11:10	V.V. Shaidurov Krasnoyarsk Scientific Center (Krasnoyarsk, Russia)	Small parameter extrapolation and correction in a regularization method		
11:15-11:55	V.I. Maximov Krasovskii Institute of Mathematics and Mechanics (Yekaterinburg, Russia)	Dynamic control and sustainable management problems		
12:00-12:40	Yu.S. Volkov Sobolev Institute of Mathematics (Novosibirsk, Russia)	Extreme problem of estimating the derivatives of functions in terms of grid values		
12:45-13:25	V.I. Berdyshev Krasovskii Institute of Mathematics and Mechanics (Yekaterinburg, Russia)	A moving object with a high-speed striking mini-object and an unfriendly body observer		
13:30-14:30	Lunch			
14:30-15:10	N.K. Obrosova, A.A. Shananin Moscow Institute of Physics and Technology (Moscow, Russia)	Analysis of the impact of demand shocks on the value of companies using the production model taking into account the shortage of working capital		
15:15-15:55	A.G. Yagola Lomonosov Moscow State University (Moscow, Russia)	A priori and a posteriori estimates of the error of solutions to ill-posed problems		
16:00-16:40	Erik Hiltunen ETH Zurich (Zurich, Switzerland)	High-frequency homogenization and effective Dirac equations in subwavelength honeycomb crystals		
16:45-17:25	Daniel Lesnic University of Leeds (Leeds, United Kingdom)	Inverse Coefficient Identification Problems for Degenerate Parabolic Equations		
17:30-18:10	A.A. Shkalikov Lomonosov Moscow State University (Moscow, Russia)	Uniform stability for classical inverse Sturm-Liouville problems		
18:15-18:55	Yu.V. Vasilevsky Marchuk Institute of Numerical Mathematics (Moscow, Russia)	Finite volume method on grids of general form for second order boundary value problems		

	October 8, Thursday	Connect to the Zoom conference https://zoom.us/j92926153502? pwd=Y3E4SHJ/T9EHRRINWUDVzamlzTmRLQT09		
		The conference ID: 929 2615 3502 Password: 400636		
9:00-9:40	Michael Klibanov University of North Carolina at Charlotte (Charlotte, USA)	Carleman estimates for globally convergent numerical methods for coefficient inverse problems		
9:45-10:25	V.V. Penenko Institute of Computational Mathematics and Mathematical Geophysics (Novosibirsk, Russia)	Inverse problems of environmental forecasting		
10:30-11:10	A.L. Karchevsky Sobolev Institute of Mathematics (Novosibirsk, Russia)	Numerical solution of the convolution type Volterra equation of the first kind		
11:15-11:55	An.G. Marchuk Institute of Computational Mathematics and Mathematical Geophysics (Novosibirsk, Russia)	Methods for reconstructing the water surface displacement in a tsunami source according to monitoring data		
12:00-12:40	S.K. Golushko Novosibirsk State University (Novosibirsk, Russia)	On methods for solving direct and inverse problems in the mechanics of composites		
12:45-13:25	Aishabibi A. Dukenbayeva, Makhmud A. Sadybekov Universiteit Gent (Ghent, Belgium); Inst. Math. & Math. Mod. (Almaty, Kazakhstan)	Direct and inverse problems for the Poisson equation with equality of flows on a part of boundary		
13:30-14:30	Lunch			
14:30-15:10	Alexander Lapin, Sergey Lapin, Shuhua Zhang Sechenov University (Moscow, Russia), Washington State University (Pullman, USA), Tianjin University of Finance and Economics (Tianjin, China)	Approximation of a mean field game problem with a fractional time derivative		
15:15-15:55	I.B. Petrov Moscow Institute of Physics and Technology (Moscow, Russia)	Numerical modeling of spatial dynamic processes in continuous heterogeneous media		
16:00-16:40	S.I. Kabanikhin Institute of Computational Mathematics and Mathematical Geophysics (Novosibirsk, Russia)	Mathematical problems driven by COVID-19		
16:45-17:25	A.M. Denisov Lomonosov Moscow State University (Moscow, Russia)	On some inverse problems of source determination		
17:30-18:10	Ronny Ramlau Johann Radon Institute for Computational and Applied Mathematics (Linz, Austria)	Inverse Problems in Adaptive Optics: Wavefront Reconstruction and Atmospheric Tomography		

	October 9, Friday	Connect to the Zoom conference https://zoom.us/j/92926153502? pwd=Y3E4SHdVTEHRHNWUDVzamlzTmRLQT09		
		The conference ID: 929 2615 3502 Password: 400636		
9:45-10:25	K.K. Sabelfeld Institute of Computational Mathematics and Mathematical Geophysics (Novosibirsk, Russia)	Stochastic models and algorithms for solving direct and inverse problems of extremely high dimension		
10:30-11:10	Shuhua Zhang Tianjin University of Finance and Economics (Tianjin, China)	A Revenue Risk Allocation Mechanism in Public Private Partnership Projects: A Swing Option Approach		
11:15-11:55	V.V. Vasin Krasovskii Institute of Mathematics and Mechanics (Yekaterinburg, Russia)	Some important issues in the theory of ill-posed problems		
12:00-12:40	M.Yu. Kokurin Mari State University (Yoshkar-Ola, Russia)	Localization of stationary points of functionals of variational regularization methods		
13:30-14:30	Lunch			
14:30-15:10	V.N. Kolokoltsov Warwick University (Coventry, United Kingdom)	Mean field games		
15:15-15:55	Christian Clason University of Duisburg-Essen (Duisburg/Essen, Germany)	Iterative regularization of nonsmooth ill-posed problems		
16:00-16:40	Larisa Beilina Chalmers University of Technology; Gothenburg University (Gothenburg, Sweden)	Adaptive finite element methods for solution of inverse and ill-posed problems		
16:45-17:25	A.M. Savchuk Lomonosov Moscow State University (Moscow, Russia)	Spectral properties of a one-dimensional Dirac system with a summable potential		
17:30-18:10	Roman Novikov CNRS, École Polytechnique (Paris, France)	Moutard transform for the generalized analytic functions and for the conductivity equation		
18:15-18:55	A.S. Leonov Moscow Engineering Physics Institute (Moscow, Russia)	A posteriori estimation of the accuracy of approximate solutions to ill-posed problems		

	October 10, Saturday	Connect to the Zoom conference https://zoom.us/j/92926153502? pwd=Y3E4SHdvTEtHRHNWUDVzamlzTmRLQT09
		The conference ID: 929 2615 3502 Password: 400636
9:00-9:40	V.G. Romanov Sobolev Institute of Mathematics (Novosibirsk, Russia)	Regularization of a solution to the Cauchy problem with data on a time-like plane
9:45-10:25	Zh.M. Bektemesov, S.I. Kabanikhin, O.I. Krivorotko, M.A. Bektemesov Al-Farabi Kazakh National University (Almaty, Kazakhstan)	Solving inverse problem for spatial Solow model
10:30-11:10	V.P. Ilin Institute of Computational Mathematics and Mathematical Geophysics (Novosibirsk, Russia)	Intelligent computing and optimization in mathematical modeling
11:15-11:55	Masahiro Yamamoto The University of Tokyo (Tokyo, Japan)	Theory of the direct problem and several inverse problems for time-fractional partial differential equations
12:00-12:40	Reiner Jäger University of Applied Sciences (Karlsruhe, Germany)	Inverse Problems and Mathematical Challenges on Structural Health Monitoring (SHM) and Development of Sensorsystems and IT-Infrastructure for SHM at the Example of the Television Tower of Stuttgart
12:45-13:25	V.S. Belonosov Sobolev Institute of Mathematics (Novosibirsk, Russia)	Inverse problems in the theory of wave processes
13:30-14:30	Lunch	
14:30-15:10	N.V. Trusov Moscow Institute of Physics and Technology (Moscow, Russia)	Numerical study of the stock market crisis based on the theory of mean field games
15:15-15:55	I.V. Oseledets Skolkovo Institute of Science and Technology (Moscow, Russia)	Machine learning methods for solving mathematical modeling and inverse problems
16:00-16:40	A.A. Shananin Moscow Institute of Physics and Technology (Moscow, Russia)	Young duality and balance aggregation
16:45-17:25	V.S. Mikhailov, A.S. Mikhailov St. Petersburg Department of Steklov Institute of Mathematics (Saint Petersburg, Russia)	Discrete inverse problem, classical moment problems and Toda chains
17:30-18:10	G.A. Koshevoy Institute for Information Transmission Problems (Moscow, Russia)	Combinatorics and discrete convexity

	October 12, Monday	Connect to the Zoom conference https://zoom.us/ij/92926153502? pwd=Y3E4SHdvTEtHRHNWUDVzamlzTmRLQT09
		The conference ID: 929 2615 3502 Password: 400636
9:00-9:40	A.V. Penenko Institute of Computational Mathematics and Mathematical Geophysics (Novosibirsk, Russia)	Mathematical modeling of advection-diffusion-reaction processes with assimilation of observational data and solution of inverse problems
9:45-10:25	Aseel Titi, Victor Isakov Wichita State University (Wichita, USA)	Stability and the inverse gravimetry problem with minimal data
10:30-11:10	Jin Cheng Fudan University (Shanghai, China)	Quantitative Estimate for the Solutions of the Helmholtz Equation on the Analytic Surface
11:15-11:55	B.A. Kargin Institute of Computational Mathematics and Mathematical Geophysics (Novosibirsk, Russia)	Problems of optical remote sensing of the atmosphere and ocean
12:45-14:30	Lunch	
		Sobolev Institute of Mathematics, Koptyga street 4, Conference Hall Online: connect to the Zoom conference https://zoom.us/j/92926153502? pwd=Y3E4SHdvTEtHRRHNWUDVzamlzTmRLQT09 The conference ID: 929 2615 3502 Password: 400636
14:30-15:10	A.P. Chupakhin Lavrentyev Institute of Hydrodynamics (Novosibirsk, Russia)	Complex studies of the structure of the brain
15:15-15:55	M.A. Guzev Institute for Applied Mathematics (Vladivostok, Russia)	Models and algorithms for compositional analysis of systems behavior and data processing
16:00-16:40	V.A. Cheverda, M.I. Protasov Trofimuk Institute of Petroleum-Gas Geology and Geophysics (Novosibirsk, Russia)	Digital twins of geological objects: construction and application for seismic data processing
10.45-17.25	Sergey Piskarev Lomonosov Moscow State University (Moscow, Russia)	Approximation of Inverse Problems for Fractional Differential Equations
17:30-18:10	G.N. Erokhin Immanuel Kant Baltic Federal University (Kaliningrad, Russia)	RTH scattered seismic holography method

	October 14, Wednesday	Connect to the Zoom conference https://zoom.us/i/92926153502?		
		pwd=Y3E4SHdvTEtHRHNWUDVzamizTmRLQT09		
		The conference ID: 929 2615 3502		
		Password: 400636		
	Section re	eports		
10:00-10:15	A.S. Velichko Institute of Automation and Control Processes (Vladivostok, Russia)	Regularization Methods with Nondifferentiable Stabilizers and Computational Algorithms		
10:20-10:35	M.N. Danilov Novosibirsk State University of Architecture and Civil Engineering (Novosibirsk, Russia)	Computational algorithm of the optical method for measuring deformation fields on the surface of structures made of structurally inhomogeneous materials with cracks		
10:40-10:55	M.N. Danilov, P.P. Bardaev Novosibirsk State University of Architecture and Civil Engineering (Novosibirsk, Russia)	Multi-criteria optimization of the geometry of the elastic element of a six-component strain gauge		
11:00-11:15	Yu.E. Voskobolnikov, V.A. Boeva Novosibirsk State University of Architecture and Civil Engineering (Novosibirsk, Russia)	A robust algorithm for nonparametric identification of a dynamical system		
11:40-11:55	L. Ermekgyzy Al-Farabi Kazakh National University (Almaty, Kazakhstan)	On one inverse problem for determining the hydraulic resistance of an oil pipeline		
12:00-12:15	Z.A. Kadenova Institute of Mathematics (Bishkek, Kyrgyzstan)	Regularization and uniqueness of solutions of systems of linear Fredholm-Stieltjes integral equations of the first kind with two independent variables		
12:20-12:35	A. V. Lut, A. A. Zamyshlyaeva South Ural State University (Chelyabinsk, Russia)	Numerical study of the inverse problem for a second-order Sobolev-type equation		
12:40-12:55	L.N. Temirbekova Al-Farabi Kazakh National University (Almaty, Kazakhstan)	Numerical methods for solving multidimensional Gelfand-Levitan-Kerin equations		
13:00-13:15	S.E. Kasenov Al-Farabi Kazakh National University (Almaty, Kazakhstan)	Numerical solution of the inverse problem for the acoustics equation		
13:15-14:30	Lunch			
	Plenary	talks		
14:30-15:10	A.L. Balandin Institute for System Dynamics and Control Theory (Irkutsk, Russia)	Funk-Hecke type relations for vector spherical wave functions		
15:15-15:55	O.I. Krivorotko Institute of Computational Mathematics and Mathematical Geophysics (Novosibirsk, Russia)	Modern mathematical models of the COVID-19 epidemic: identifiability and verification		
16:00-16:40	Sergio Manzetti FJordforsk AS (Vangsnes, Norway)	Non-self-adjoint Operators: Spectra, pseudospectra and methods of study		
16:45-17:25	V.P. Tanana South Ural State University (Chelyabinsk, Russia)	Solution of the inverse boundary value problem for the heat equation		
17:30-18:10	S. A. Buterin Saratov State University (Saratov, Russia)	Inverse spectral problem for globally nonlocal operators with frozen argument on a graph		
18:15-18:55	N.P. Bondarenko Saratov State University; Samara University (Saratov / Samara, Russia)	An inverse problem for a non-self-adjoint Sturm-Liouville operator		

	October 15, Thursday	Connect to the Zoom conference		
	October 10, marcally	https://zoom.us/j/92926153502?		
		pwd=Y3E4SHdvTEtHRHNWUDVzamlzTmRLQT09		
		The conference ID: 929 2615 3502		
		Password: 400636		
9:00-9:15	B. Pidgeon, A. Smirnova	Modeling and Forecasting of COVID-19 Pandemic Using Iteratively Regularized		
9:00-9:15	Georgia State University (Atlanta, USA)	Predictor-Corrector Algorithm		
9:20-9:35	S.P.Stepanov, A.V. Grigoriev Ammosov North-Eastern Federal University (Yakutsk, Russia)	Numerical modeling of the seepage process based on the Richards equation		
9.40-9:55	D.A. Ammosov, M.V. Vasilieva Ammosov North-Eastern Federal University (Yakutsk, Russia)	Generalized multiscale finite element method for the problem of thermo-poroelasticity in an inhomogeneous medium		
10:00-10:15	A.E. Kolesov Ammosov North-Eastern Federal University (Yakutsk, Russia)	Numerical algorithm for recovering the leading coefficient of an elliptic equation		
10:20-10:35	V.V.Belyaev Krasovskii Institute of Mathematics and Mechanics (Yekaterinburg, Russia)	Separate reconstruction of solution components with different smoothness properties for linear ill-posed problems.		
10:40-10:55	S.V. Gavrilov Lomonosov Moscow State University (Moscow, Russia)	On a numerical method for determining the boundary of an inhomogeneity in a two- dimensional problem of electrical impedance tomography and in the case of piecewise constant conductivity		
11:00-11:15	R. V. Brizitskii, Zh.Yu. Saritskaya Institute for Applied Mathematics (Vladivostok, Russia)	Boundary and extremal problems for a nonlinear reaction-diffusion-convection model		
13:00-14:00	Lunch			
14:00-14:15	M. M. Kokurin Mari State University (Yoshkar-Ola, Russia)	Parallel computational algorithms based on difference methods for solving ill-posed Cauchy problems		
14:20-14:35	D.N. Sidorov Institute of Solar-Terrestrial Physics (Irkutsk, Russia)	Recognition of the boundaries of the auroral oval by means of GNSS		
14:40-14:55	A.Yu. Prikhodko, M.A. Shishlenin Novosibirsk State University (Novosibirsk, Russia)	Model-driven and data-driven approaches for the problem of continuation of the solution from part of the boundary		
15:00-15:15	A. Sidikova South Ural State University (Chelyabinsk, Russia)	On the solution of the inverse boundary value problem of heat transfer for a hollow ball		
15:20-16:00	K.T. Iskakov, S.I. Kabanikhin, D.K. Tokseit, M.A. Shishlenin Gumilyov Eurasian National University (Nur-Sultan, Kazakhstan)	Problem of describing the function of a GPR source		
16:00	Discussion			
17:00-17:15	S. Liu, O.I. Krivorotko Novosibirsk State University (Novosibirsk, Russia)	Artificial neural network for solving multi-parameteroptimization problems		
	K.S. Fayazov Tashkent State Pedagogical University (Tashkent, Uzbekistan)	An ill-posed problem for a system of equations with one line of degeneracy		
	K. Khompysh, A. Shakir Al-Farabi Kazakh National University (Almaty, Kazakhstan)	On Inverse Problem for Pseudoparabolic Equation		
18:00-18:15	Z. Ermamatova, E.N. Sattorov Samarkand State University (Samarkand, Uzbekistan)	On the inverse problem for the Helmholtz equation		
	E. Nurlanuly Akhmet Yassawi International Kazakh-Turkish University (Turkistan, Kazakhstan)	An inverse problem for a parabolic equation		



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