International Scientific Conference
Modern challenges of inverse problems
dedicated to the 70th anniversary of Professor Alemdar Hasanov Hasanoglu
October 3-5, 2024
Conference Programme
Novosibirsk time: GMT+7

Zoom: `https://us02web.zoom.us/j/82680294606?pwd=MzNZRVVvK2YwZGZhZThBUmIxM3BrUT09`
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`https://youtube.com/channel/UCEfDHH6-AcdAYEaizUzrelw`

Saturday, October 5th
Sobolev Institute of Mathematics, RAS
305 Room

Zoom:

9:30-10:00	**Mikhail Klibanov** University of North Carolina at Charlotte, Charlotte, USA	Convexification method for inverse problems
10:00-10:30	**Iskakov Kazizat Takuadinovich, Uzakkyzy N., Tyutin A.A., Saitova R.B.** L.N. Gumilyov Eurasian National University, Astana, Kazakhstan	Algorithms for solving problems to determine the geoelectric properties of the pavement
10:30-10:50	**Kadenova Zuurakan Azhimamatovna, Asanov A.** Institute of Mathematics of the National Academy of Sciences of the Kyrgyz Republic, Bishkek, Kyrgyzstan	Approximation for the Stieltjes integral using the generalized trapezoid rule
10:50-11:10	**Zolotukhina Olga Sergeevna, Dubnishchev Yu.N., Arbuzov E.V.** S.S. Kutateladze Institute of Thermophysics, Novosibirsk, Russia	On inverse problems of Hilbert optics
11:10-11:30	**Coffee**	
11:30-11:50	**Vasiliev Vasily Ivanovich, Kardashevsky A.M.** Northeastern Federal University named after M.K. Ammosov, Yakutsk, Russia	Numerical determination of the convective term of the parabolic equation depending on spatial variables
11:50-12:10	**Pyatkov Sergey Grigorievich** Yugra State University, Khanty-Mansiysk, Russia	Inverse problems of recovering the heat transfer coefficients and related problems

12:10-12:30	**Marinenko Arkady Vadimovich, Epov M.I.** Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk, Russia	Application of direct current electrical tomography methods to solve problems of mineral deposits search in coal quarries
12:30-12:50	**Chandragiri Sreelatha** Sobolev Institute of Mathematics of SB RAS, Novosibirsk, Russia	Numerical solution of the 3D Poisson equation: An application of gravimetry in Geophysics
12:50-14:00	Lunch	
14:00-14:20	**Kozhanov Alexander Ivanovich** S.L. Sobolev Institute of Mathematics SB RAS, Novosibirsk, Russia	Inverse coefficient problems for degenerate partial differential equations
14:20-14:40	**Kalinin Alexey Vyacheslavovich, Tyukhtina A.A.** Lobachevsky Nizhny Novgorod State University, Nizhny Novgorod, Russia	Uniqueness classes of solutions to inverse source problems
14:40-15:20	**Kabanikhin Sergey Igorevich** S.L. Sobolev Institute of Mathematics SB RAS, Novosibirsk, Russia	About the scientific heritage of M.M. Lavrentiev
15:20-15:40	**Kamynin Vitaly Leonidovich** NRU MEPhI, Moscow, Russia	Invedrse problem of determining the absorption coefficient in parabolic equation with final and integral observation
15:40-16:00	**Ostanin Pavel Antonovich** Moscow Institute of Physics and Technology (National Research University), Dolgoprudny, Russia	The inverse problem of reconstructing the electron concentration field in the ionosphere using TEC data
16:00-16:20	**Polyntseva Svetlana Vladimirovna** Krasnoyarsk, Russia	On a coefficient inverse problem for a nonlinear parabolic equation
16:20-16:40	**Andreyanova Oksana Alekseevna, Shcheglov A.Yu.** Lomonosov Moscow State University, Moscow, Russia	The inverse problem for a hyperbolic equation with a boundary condition containing a second-order derivative
16:40-17:00	**Amosova Elena Vladimirovna** IPM FEB RAS, FEFU, Vladivostok, Russia	Optimal control of complex heat exchange
17:00-17:20	**Kasenov Syrym Yerkinovich** Al-Farabi Kazakh National University, Almaty, Kazakhstan	Numerical solution of the continuation problem for the Helmholtz equation