

# International Conference Mathematical Optimization Theory and Operations Research (MOTOR-2024) Technical Program

OMSK TIME (GMT+6)

	June, 30, SUNDAY : Arrival
9:00 - 22:00	July 1, MONDAY
9:00 - 10:00	<b>Registration</b> Pushkin Library, Lobby of the Conference Hall
10:00 - 10:30	<b>Opening of the conference, welcome</b>
10:30 - 12:30	<p><b>Plenary session. Chair Khachay M.Yu., Ekaterinburg, Russia</b></p> <p>10:30 - 11:10 Shanenin A.A., Trusov N.V., Moscow, Russia Mathematical Modeling of the Consumer Loan Market in Russia</p> <p><b>11:10 - 11:50 Coffee break</b></p> <p>11:50 - 12:30 Chen X., Beijing, China Undirected Networks Immune to the Informational Braess's Paradox</p>
13:00 - 14:30	Lunch break

14:30 - 17:50	<b>Sessions (Nika hotel)</b>		
14:30 - 16:10	<p><b>Major hall: Scheduling and routing</b></p> <p><b>14:30</b> - Yulia Zakharova, Aleksey Zakharov, Paper 035: <i>Methods for Solving Large-Scale Problems of Customer Order Scheduling</i></p> <p><b>14:50</b> - Igor Vasilyev, Anton Ushakov, Dmitry Arkhipov, Ivan Davydov, Ildar Muftahov, Maria Lavrentyeva, Paper 164: <i>Fast heuristics for a staff scheduling problem with time interval demand coverage</i></p> <p><b>15:10</b> - Roman Rudakov, Yuri Ogorodnikov, Michael Khachay, Paper 050: <i>Branching algorithms for the Reliable Production Process Design Problem</i></p> <p><b>15:30</b> - Aleksandr Lyapin, Ivan Davydov, Paper 086: <i>Constructive heuristic for additional education school timetabling</i></p> <p><b>15:50</b> - Mirali Agaev, Dmitry Arkhipov, Paper 120: <i>Amateur sports league scheduling</i></p>	<p><b>Minor hall: Applied research</b></p> <p><b>14:30</b> - Kamil Aida-zade, Samir Quliyev, Paper 095: <i>Automated and Automatic Systems of Management of an Optimization Programs Package for Decisions Making</i> (online)</p> <p><b>14:50</b> - Alexander Yuskov, Igor Kulachenko, Andrey Melnikov, Yuri Kochetov, Paper 005: <i>Stadium antennas deployment optimization</i></p> <p><b>15:10</b> - Alexey Ratushnyi, Paper 047: <i>A Reconstruction Algorithm for a Temporal Bin Packing Problem with Placement Groups</i></p> <p><b>15:30</b> - Lijie Su, Lixin Tang, Peiyan Wang, Paper 083: <i>Generalized Disjunctive Programming for Cutting Stock Problem in an Aviation Industry</i></p> <p><b>15:50</b> - Zhenfei Guo, Xi Chen, Hao Yang, Yun Dong, Paper 087: <i>Enhanced NSGA-II: Mitigating Limitations in Solution Set Size and Non-Dominant Solution Spacing for Wing Design Optimization</i></p>	<p><b>Upper hall: Continuous optimization and optimal control</b></p> <p><b>14:30</b> - Ivan Sharun, Anna Zykina, Paper 174: <i>An approach to training neural networks using variational inequalities</i></p> <p><b>14:50</b> - Anatoly Antipin, Elena Khoroshilova, Paper 006: <i>Controlled dynamics with a boundary-value problem on calculating a fixed point of an extreme mapping</i> (online)</p> <p><b>15:10</b> - Igor Konnov, Paper 007: <i>Convergence Properties of a Primal-Dual Method for Multi-agent Optimization Problems</i> (online)</p> <p><b>15:30</b> - Danis Ibragimov, Paper 022: <i>On the Method for Refining A Priori Estimates of the Objective Function in the Speed-in-Action Problem for a Linear Discrete-Time System</i></p> <p><b>15:50</b> - Rashid Yarullin, Igor Zabotin, Oksana Shulgina, Paper 055: <i>A Relaxed Cutting Method for the Convex Programming Problem</i> (online)</p>
16:10 - 16:50	<b>Coffee break</b>		
16:50 - 17:50	<p><b>16:50</b> - Iuliia Leonova, Anatoly Panyukov, Paper 124: <i>Statistical Study of the Accuracy of the Cycle Merging Algorithm for the Maximal Traveling Salesman Problem</i></p>	<p><b>16:50</b> - Vugar Hashimov, Kamil Aida-zade, Paper 036: <i>Optimization of the measurement points movement in one problem of synthesis of temperature control of a furnace for heating the rods</i> (online)</p>	<p><b>16:50</b> - Suriya Kumacheva, Vitalii Novgorodtcev, Paper 061: <i>On one class of stochastic optimal control problems</i> (online)</p>

	<p><b>17:10</b> - Tatiana Makarovskikh, Mohamed sallam, Paper 023: <i>Constructing an optimal trajectory for monitoring objects</i></p> <p><b>17:30</b> - Maria Sakhno, Paper 101: <i>Investigation of operators and parameters in evolutionary algorithms for one scheduling problem with resource constraints</i> (online)</p>	<p><b>17:10</b> - Konstantin Baikov, Bogdan Kornitskii, Andrey Melnikov, Paper 128: <i>Approximate algorithm for multi-criteria optimization models with implicitly defined functions</i></p> <p><b>17:30</b> - Ruslan Sevostyanov, Paper 155: <i>Filtering Correction for Robotic Arms Multipurpose Regulators</i></p>	<p><b>17:10</b> - Leonid Popov, Paper 010: <i>How to use barriers and symmetric regularization of Lagrange function in analysis of improper nonlinear programming problems</i> (online)</p> <p><b>17:30</b> - Vladimir Erokhin, Paper 046: <i>A method for solving a dual pair of linear programming problems based on the fast Fejér type algorithm for finding a nonnegative solution to a system of linear algebraic equations</i> (in Russian)</p>
17:50 - 18:30	<p align="center"><b>Plenary talk (Nika hotel, Conference hall 2)</b>  <b>Pardalos P. Gainesville, USA; Nizhny Novgorod, Russia (online)</b>  <b>AI and Optimization for a Sustainable Future</b>  <b>Chair Khachay M.Yu., Ekaterinburg, Russia</b></p>		
20:00 - 22:00	<p align="center"><b>Reception (Nika hotel)</b></p>		
<p align="center">July 2, TUESDAY</p>			
09:30 - 12:10	<p align="center"><b>Plenary session (East conference hall of Tourist hotel)</b>  <b>Chair Kochetov Yu. A., Novosibirsk, Russia</b></p> <p align="center"><b>09:30 - 10:10</b> Wen Z., Beijing, China (online)  Exploring the Learning-based Optimization Algorithms</p> <p align="center"><b>10:10 - 10:50</b> Hildebrand R., Dolgoprudny, Russia  Tuning methods for minimization of self-concordant functions with optimal control</p>		

	<b>10:50 - 11:30 Coffee break</b>		
	<b>11:30 - 12:10 Yu W., Nanjing, China (online)</b> <b>"Distributed Optimization +" in Networks: A New Framework</b>		
12:10 - 12:30	<b>New funding opportunities for research in Russia</b> <b>(East conference hall of Tourist hotel)</b> <b>Zheglov A., Moscow, Russia</b>		
13:00 - 14:30	Lunch break		
14:30 - 18:30	Sessions (Nika hotel)		
14:30 - 16:10	<p><b>Major hall: Game theory and mathematical economics</b></p> <p><b>14:30</b> - Lei Wang, Hongwei Gao, Paper 168: <i>Irrational-Behavior-Proof Conditions for Stochastic Games over Event Trees</i> (online)</p> <p><b>14:50</b> - Yukun Cheng, Xiaotie Deng, Qi Qi, Xiang Yan, Paper 064: <i>Truthfulness of a Network Resource-Sharing Protocol</i> (online)</p> <p><b>15:10</b> - Vladimir Mazalov, Anna Ivashko, Paper 030: <i>Optimal Stopping Strategies in Gambler's Ruin Game</i></p> <p><b>15:30</b> - Jiangjing Zhou, Vladimir Mazalov, Paper 092: <i>Dynamic Stability of Coalition Structures in Network-Based Pollution Control Games</i></p> <p><b>15:50</b> - Anna Rettieva, Paper 026: <i>Cooperation maintenance in</i></p>	<p><b>Minor hall: Machine learning and optimization</b></p> <p><b>14:30</b> - Yaroslav Kharchenko, Alexander Kononov, Paper 115: <i>A Learning-Augmented Algorithm for the Parking Permit Problem with Three Permit Types</i></p> <p><b>14:50</b> - Vladimir Khandeev, Sergey Neshchadim, Paper 021: <i>Pseudo-polynomial algorithms for some problems of searching for the largest subsets</i></p> <p><b>15:10</b> - Vasiliy Lobanov, Yulia Zakharova, Paper 094: <i>Evaluation of Operators in Genetic Programming for Boolean Function Approximation</i></p> <p><b>15:30</b> - Liudmila Mikhailova, Paper 049: <i>One Optimization Problem Induced by the Segregation Problem for the Sum of Two Quasiperiodic Sequences</i></p> <p><b>15:50</b> - Artem Il'ev, Victor Il'ev, Paper 063: <i>Clustering Complexity and an</i></p>	<p><b>Upper hall: Location, coloring and packing</b></p> <p><b>14:30</b> - Adil Erzin, Maxim Anikeev, Paper 002: <i>Energy-efficient regular strip covering with fixed-size identical sectors</i></p> <p><b>14:50</b> - Adil Erzin, Anzhela Shadrina, Paper 004: <i>Optimal placement of mobile sensors for distance-constrained line routing problem</i></p> <p><b>15:10</b> - Sofia Shperling, Yury Kochetov, Paper 011: <i>Randomized greedy strategy with corner filling for the irregular 2D bin packing problem</i></p> <p><b>15:30</b> - Aigul Fabarisova, Vadim Kartak, Paper 137: <i>Multi-objective Optimization Approach for Polygon Coverage with Simple Shapes</i></p> <p><b>15:50</b> - Maksim Vodyan, Paper 059: <i>Metaheuristics for finding the stability radius in the bilevel</i></p>

	<i>dynamic multicriteria games with application to transport networks</i>	<i>Approximation Algorithm for a Version of the Cluster Editing Problem</i>	<i>facility location and mill pricing problem</i>
<b>16:10 - 16:50</b>	<b>Coffee break</b>		
<b>16:50 - 18:30</b>	<p><b>Major hall: Game theory and mathematical economics</b></p> <p><b>16:50</b> - Yifen Mu, Xiaoguang Yang, Xinxiang Guo, Paper 121: <i>A novel NE-solving paradigm for two-player zero-sum games</i></p> <p><b>17:10</b> - Zhouming Wu, Yifen Mu, Xiaoguang Yang, Ge Chen, Paper 140: <i>Solve the NE via dynamics of fictitious play for a specific stochastic game</i></p> <p><b>17:30</b> - Elena Konovalchikova, Vladimir Mazalov, Paper 085: <i>Pricing equilibrium model in public transportation market</i></p> <p><b>17:50</b> - Hamidreza Golmohammadi, Paper 012: <i>Total coalitions in cubic graphs</i></p>	<p><b>Minor hall: Machine learning and optimization</b></p> <p><b>16:50</b> - Mostafa Abotaleb, Tatiana Makarovskikh, Paper 108: <i>Solving the optimizing parameters problem for non-linear datasets using the High-Order General Least Deviations Method (GLDM) algorithm</i></p> <p><b>17:10</b> - Jian Wu, Lixin Tang, Shiyan Huang, Xingyu Wang, Paper 122: <i>Convex Cluster for functional data</i></p> <p><b>17:30</b> - Xiangru Xing, Xin Wang, Lingchen Kong, Lingchen Kong, Paper 142: <i>Multi-view clustering optimization with group sparse</i> (online)</p> <p><b>17:50</b> - Xin Wang, Liqun Wang, Lingchen Kong, Paper 144: <i>Estimation of sparse covariance matrix via non-convex regularization</i> (online)</p>	<p><b>Upper hall: Location, coloring and packing</b></p> <p><b>16:50</b> - Oxana Tsidulko, Paper 042: <i>Uniform Capacitated Facility Location problem with soft capacities on tree-like graphs</i></p> <p><b>17:10</b> - Tatiana Levanova, Ivan Khmara, Paper 034: <i>Development of Tabu Search and Variable Neighborhood Search Algorithms for the robust p-median problem</i></p> <p><b>17:30</b> - Andrey Melnikov, Vladimir Beresnev, Paper 070: <i>Finding a static Leader's decision in a competitive location with a multi-period Follower's decision</i></p> <p><b>17:50</b> - Stepan Utyupin, Andrey Melnikov, Vladimir Beresnev, Paper 071: <i>Stability of vertex covers in a game with a finite number of steps</i></p> <p><b>18:10</b> - Polina Kaidash, Paper 135: <i>Super Domination Polynomial of a Graph</i></p>

July 3, WEDNESDAY			
09:30 - 12:20	<p align="center"><b>Session of Industrial Applications</b>  <b>(East conference hall of Tourist hotel)</b>  <b>Chair Vasilyev I.L., Irkutsk, Russia</b></p> <p align="center"><b>09:30 - 10:00</b> Pisnichenko Feodor, Saint Petersburg, Russia  Advanced Optimization Techniques in Industrial Applications</p> <p align="center"><b>10:00 - 10:30</b> Krasilnikov Mikhail, Lozkins Aleksejs,  BIA Tecnologies, Saint Petersburg, Russia  Network Desing for LTL Shipments</p> <p align="center"><b>10:30 - 11:00 Coffee break</b></p> <p align="center"><b>11:00 - 11:30</b> Vasily Gurov, ARHITEX, Saint Petersburg  How the first Russian commercial solver became a reality. ARHITEX's experience in  optimization software substitution</p> <p align="center"><b>10:30 - 11:00 Round table discussion</b></p>		
13:00 - 14:30	Lunch break		
14:00 - 16:00	<p align="center"><b>Joint meeting of the Russian Operations Research Society</b>  <b>and Operations Research Society of China (Tourist hotel, West hall)</b></p>		
14:30 - 18:30	Sessions (Nika hotel)		
14:30 - 16:10	<p>Major hall: Scheduling and routing</p> <p>14:30 - Alexander Kazakov, Anna Lempert, Tran Tuan Viet,</p>	<p>Minor hall: Machine learning and optimization</p> <p>14:30 - Farid Ahmatshin, Lev Kazakovtsev,</p>	<p>Upper hall: Game theory and mathematical economics</p> <p>14:30 - Oleg Khamisov, Надежда Ульянова,</p>

	<p>Paper 091: <i>A heuristic algorithm for collision-free path planning in dynamic environment</i> (online)</p> <p><b>14:50</b> - Dmitrii Farladanskii, Polina Kononova, Paper 096: <i>Hybrid iterated local search algorithm for vehicle routing problem with traffic congestion</i></p> <p><b>15:10</b> - Svetlana Malakh, Vladimir Servakh, Paper 076: <i>The Problem of Planning Investment Projects with Lending</i></p> <p><b>15:30</b> - Yulia Zakharova, Lidia Zaozerskaya, Paper 078: <i>Large neighborhood search for split delivery vehicle routing problem with time windows</i></p> <p><b>15:50</b> - Sergey Sevastyanov, Paper 166: <i>On the uselessness of Supercomputers for solving discrete optimization problems by means of some "theoretically efficient" algorithms</i></p>	<p>Paper 057: <i>Mini-batch K-means++ clustering initialization</i> (online)</p> <p><b>14:50</b> - Predrag Stanimirovic, Lev Kazakovtsev, Vladimir Krutikov, Paper 069: <i>Modified error functions in Continuous-time Recurrent Neural Networks</i> (online)</p> <p><b>15:10</b> - Maxim Ershov, Albert Voroshilov, Paper 080: <i>UCB Strategy for Batch Data Processing on an Unknown Horizon</i> (online)</p> <p><b>15:30</b> - Anna Panasenکو, Paper 037: <i>Approximation Scheme for a Sequence Weighted 2-Clustering with a Fixed Center of One Cluster</i> (online)</p> <p><b>15:50</b> - Pavel Sorokovikov, Aleksander Gornov, Tatiana Zarodnyuk, Paper 106: <i>Numerical Investigation of the Swarm Intelligence Algorithm Obtained Using ChatGPT for Univariate Global Optimization</i> (online)</p>	<p>Paper 146: <i>Совместное планирование работы энергетических источников и управление потоками в энергосистемах</i> (online, in Russian)</p> <p><b>14:50</b> - Evgenia Ushakova, Paper 081: <i>Hotelling's Duopoly with Informative Advertising on the Plane</i> (in Russian)</p> <p><b>15:10</b> - Sergey Antsyuz, Paper 025: <i>On Refinement for Analysis of Two Forms of Taxation</i> (online, in Russian)</p> <p><b>15:30</b> - Ilya Minarchenko, Paper 126: <i>On search of Nash equilibrium in non-monotone quadratic games</i> (online)</p> <p><b>15:50</b> - Sergey Lavlinskii, Artem Panin, Alexander Plyasunov, Alexander Zyryanov, Paper 024: <i>Production and infrastructure construction in a resource region: a comparative analysis of mechanisms for forming a consortium of subsoil users</i> (online)</p>
16:10 - 16:50	<b>Coffee break</b>		
16:50 - 18:30	<p><b>Major hall: Scheduling and routing</b></p> <p><b>16:50</b> - Igor Kulachenko, Alexander Yuskov, Paper 169: <i>An NPU-accelerated heuristic for the pickup and delivery problem with time windows</i></p> <p><b>17:10</b> - Elena Musatova, Alexander Lazarev, Paper 113: <i>A single machine problem of minimization of external resources costs</i></p>	<p><b>Minor hall: Machine learning and optimization</b></p> <p><b>16:50</b> - Chiara Marciano, Mario Guarracino, Brian Daniel Bernhardt, Paper 131: <i>Improved Credit Scoring model with Hyperparameter Optimization</i> (online)</p> <p><b>17:10</b> - Valeriy Kalyagin, Ilya Kostylev, Paper 141: <i>Robustness of Graphical Lasso Optimization Algorithm for Learning a Graphical Model</i> (online)</p>	<p><b>Upper hall: Game theory and mathematical economics</b></p> <p><b>16:50</b> - Leon Petrosyan, Yaroslavna Pankratova, Paper 148: <i>Differential Network Games with Different Types of Players Behavior</i> (online)</p> <p><b>17:10</b> - Julia Chirkova, Paper 013: <i>Potential Game in General Transport Network with Symmetric Externalities</i> (online)</p>

	<p><b>17:30</b> - Goncharov Evgeny, Paper 043: <i>A greedy algorithm for the resource-constrained project scheduling problem</i></p> <p><b>17:50</b> - Inna Urazova, Ruslan Simanchev, Paper 066: <i>Valid inequalities for single machine scheduling problem with preemptions</i> (in Russian)</p>	<p><b>17:30</b> - Alexander Kolmogorov, Paper 054: <i>UCB Strategies in a Gaussian Two-Armed Bandit Problem</i></p> <p><b>17:50</b> - Aleksandr Morshinin, Paper 173: <i>New integer linear programming models for a variant of correlation clustering problem</i></p>	<p><b>17:30</b> - Anna Trubacheva, Paper 125: <i>About Some Models of Economic Growth</i> (online)</p> <p><b>17:50</b> - Igor' Izmet'ev, Paper 44: <i>On a differential game of pursuit-retention</i> (online)</p> <p><b>18:10</b> - Maksim Tsekot, Paper 032: <i>Impact of different types of target functions on rational strategies for economic development</i> (online)</p>
19:00 - 22:00	The conference dinner (Nika hotel)		
July 4, THURSDAY			
09:30 - 12:20	<p style="text-align: center;"><b>Plenary session (East conference hall of Tourist hotel)</b> <b>Chair Kononov A.V., Novosibirsk, Russia</b></p> <p style="text-align: center;"><b>09:30 - 10:15</b> Enkhbat R., Ulaanbaatar, Mongolia (online) Recent Advances in Minimax Problem and Bimatrix Games</p> <p style="text-align: center;"><b>10:15 - 11:00</b> Guschinsky N., Minsk, Belarus Models and methods for optimization of electric public transport systems</p> <p style="text-align: center;"><b>11:00 - 11:40</b> Coffee break</p> <p style="text-align: center;"><b>11:40 - 12:20</b> Konstantinova E.V., Yichang, China; Novosibirsk, Russia Recent progress in domination theory</p>		
13:00 - 14:30	Lunch break		



14:30 - 18:30	Industrial challenges (Nika hotel)	Sessions (Nika hotel)	
14:30 - 16:10	Major hall: Industrial challenges and Approaches to their Solution	<p><b>Minor hall: Game theory and mathematical economics</b></p> <p>14:30 - Alexander Vasin, Olesya Grigoreva, Paper 074: <i>On the optimal management of energy storage</i></p> <p>14:50 - Raisa Kim, Daniil Musatov, Paper 154: <i>Roads built in a democratic way: voting and routing paradoxes combined</i></p> <p>15:10 - Igor Bykadorov, Paper 105: <i>International Trade under Monopolistic Competition: Local Comparative Statics of Market Equilibrium w.r.t. Trade Balance</i></p> <p>15:30 - Aleksandra Grinikh, Paper 130: <i>The n-Person Prisoner's Dilemma on a Hypergraph</i></p> <p>15:50 - Valeriy Marakulin, Paper 062: <i>Differential information economies: REE-equilibrium under contract based approach</i></p>	<p><b>Upper hall: Continuous optimization and optimal control</b></p> <p>14:30 - Marina Yashina, Alexander Tatashev, Ivan Kuteynikov, Paper 139: <i>Qualitative behavior of the multi-scaled Buslaev chainmail</i></p> <p>14:50 - Anton Bondarev, Paper 017: <i>Optimization in hybrid controlled systems with piecewise-smooth systems' dynamics</i></p> <p>15:10 - Andrei Orlov, Paper 019: <i>On a Global Search in Bilevel Optimization Problems with a Bimatrix Game at the Lower Level</i></p> <p>15:30 - Tatiana Zvonareva, Olga Krivorotko, Paper 038: <i>Mean field control problem for mathematical model describing information diffusion in online social networks</i></p> <p>15:50 - Oleg Khamisov, Oleg Khamisov, Paper 129: <i>Modified primal-dual algorithm for distributed optimization with coupling nonlinear constraints</i></p>
16:10 - 16:50	<b>Coffee break</b>		
16:50 - 18:30	Industrial challenges and Approaches to their Solution	<p>16:50 - Chi Zhao, Elena Parilina, Paper 097: <i>Network structure properties and opinion dynamics in two-layer networks with hypocrisy</i></p>	<p>16:50 - Andrei Torgashov, Oleg Snegirev, Paper 053: <i>Comparative study of model predictive control algorithms based on linear and quadratic programming applied to industrial vacuum distillation unit</i></p>

		<p><b>17:10</b> - Alexander Krylatov, Maksim Korol, Anastasiya Raevskaya, Paper 031: <i>Equilibration operators for accurate traffic flow assignment in urban road networks</i></p> <p><b>17:30</b> - Vasily Gusev, Alexander Nesterov, Mikhail Reshetov, Alex Suzdaltsev, Paper 033: <i>The Existence of a Pure-strategy Equilibrium in a-Discrete Ponds Dilemma</i></p> <p><b>17:50</b> - Aleksei Kondratev, Paper 060: <i>Veto core consistent voting rules</i></p> <p><b>18:10</b> - Andrei Orlov, Paper 020: <i>Triangles of Conflicts and Hexamatrix Games</i> (in Russian)</p>	<p><b>17:10</b> - Vladimir Krutikov, Elena Tovbis, Predrag Stanimirovic, Lev Kazakovtsev, Paper 090: <i>Newtonian Property of Subgradient Method with Optimization of Parameters of Rank Two Correction of Metric Martices</i></p> <p><b>17:30</b> - Vladimir Solodkin, Savelii Chezhegov, Ruslan Nazykov, Aleksandr Beznosikov, Alexander Gasnikov, Paper 098: <i>Accelerated Stochastic Gradient Method with Applications to Consensus Problem in Markov-Varying Networks</i></p> <p><b>17:50</b> - Igor Vasilyev, Tatiana Gruzdeva, Maria Barkova, Denis Boyarkin, Dmitrii Iakubovskii, Paper 099: <i>On Active-Set Methods for Quadratic Problems with Positive Semidefinite Matrices</i></p>
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<b>July 5, FRIDAY</b>			
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<b>09:30 - 10:30</b>	<b>Tutorials</b>		
	<p>Major hall: Alexander Strelakovsky. New Principles of Non-Convex Optimization</p>	<p>Minor hall: Yury Kochetov. Black box optimization for business applications</p>	<p>Upper hall: Pavel Borisovsky. Application of GPU computing to solving discrete optimization problems</p>

<b>10:30 - 11:00</b>	<b>Coffee break</b>		
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11:00 - 13:00	<b>Sessions</b>		
11:00 - 13:00	<p><b>Major hall: Machine learning and optimization</b></p> <p><b>11:00</b> - Stepan Vasilev, Oleg Khamisov, Petr Vasilev, Paper 136: <i>Short-Term Voltage Instability Identification: A Combined Approach of Maximum Lyapunov Exponent and K-Means Clustering</i></p> <p><b>11:20</b> - Anton Eremeev, Valentin Topchii, Paper 163: <i>Heavy-Tailed Mutation with a Regularly Varying Constraint on the Distribution Function of Its Rate</i></p> <p><b>11:40</b> - Dmitriy Merzlyakov, Paper 171: <i>Image analysis of small architectural forms using computer vision models</i></p> <p><b>12:00</b> - Vyacheslav Ustyugov, Paper 072: <i>On Different Methods for Automated MILP Solver Configuration</i></p> <p><b>12:20</b> - Maria Lavrentyeva, Anton Ushakov, Igor Vasilyev, Paper 082: <i>An assistant system based on large language models to analyze optimization models through natural language conversations</i></p> <p><b>12:40</b> - Lev Zyurikov, <i>Presolving Travelling Salesman Problem with Computer Vision</i></p>	<p><b>Minor hall: Location, coloring and packing</b></p> <p><b>11:00</b> - Andrey Dobrynin, Paper 068: <i>On edge critical 4-chromatic Koester graphs</i> (online)</p> <p><b>11:20</b> - Zhinlin Mu, Tiande Guo, Xin Sun, Paper 088: <i>A Fast Algorithm for Submodular Maximization with a Matroid Constraint</i> (online)</p> <p><b>11:40</b> - Darya Piskeeva, Alexander Plyasunov, Artem Panin, Paper 111: <i>VND metaheuristics for threshold stability in a facility location and discriminatory pricing problem</i> (online)</p> <p><b>12:00</b> - Aleksey Glebov, Paper 161: <i>Lower bounds for Grundy index of some graphs</i> (online)</p> <p><b>12:20</b> - Yaxuan Li, Zhuo Diao, Zhongzheng Tang, Paper 103: <i>Some Combinatorial Algorithms on the Edge Dominating Number of Hypergraphs with Minimum Degree</i></p> <p><b>12:40</b> - Sofia Mirkina, Paper 008: <i>Quasi-regular covers of graphs with bounded treewidth</i></p>	<p><b>Upper hall: Game theory and mathematical economics</b></p> <p><b>11:00</b> - Anton Mescheryakov, Oleg Khamisov, Paper 150: <i>A study of a Nash equilibrium in a dual-market economic system</i></p> <p><b>11:20</b> - Vladimir Bure, Elena Parilina, Artem Sedakov, Paper 170: <i>Stable coalition structures under set solutions</i></p> <p><b>11:40</b> - Varvara Rasskazova, Paper 015: <i>Sequential constraints scheme in distribution planning problem</i></p> <p><b>12:00</b> - Ruslan Drachev, Artem Panin, Alexander Plyasunov, Paper 110: <i>Polynomially solvable cases of a threshold stability problem for competitive pricing</i></p> <p><b>12:20</b> - Ilia Stepanov, Daniil Musatov, Paper 156: <i>Migrational Stability of Plane Tilings</i></p> <p><b>12:40</b> - Shengjie Gong, Lingxiao Huang, Shuangping Huang, Yuyi Wang, Zhiqi Wang, Tao Xiao, Xiang Yan, Chunxue Yang, Paper 065: <i>A Unified Framework of Multi-Stage Multi-Winner Voting: An Axiomatic Exploration</i> (online)</p>
13:00 - 14:30	<b>Lunch break</b>		

14:30 - 17:50	<b>Sessions</b>		
14:30 - 16:10	<p><b>Major hall: Applied research</b></p> <p><b>14:30</b> - Ivan Davydov, Aliya Gabdullina, Margarita Shevtsova, Dmitry Arkhipov, Paper 100: <i>Tabu Search for a service zone clustering problem</i></p> <p><b>14:50</b> - Ivan Davydov, Vsevolod Akentev, Paper 028: <i>Greedy algorithms for the temporal bin packing problem with failure domain</i></p> <p><b>15:10</b> - Alexander Turnaev, Artem Panin, Paper 133: <i>Stochastic Greedy Algorithms for a Temporal Bin Packing Problem with Placement Groups</i></p> <p><b>15:30</b> - Andrey Uskov, Valentina Kotezhkova, Paper 151: <i>A Real-World Parcel Routing Problem: MIP Formulation and Heuristic</i></p> <p><b>15:50</b> - Roman Shtykov, Paper 051: <i>Processes modeling by the boundaries of the anti-surge zone to optimize the control of the operating modes of the gas compressor station</i></p>	<p><b>Minor hall: Location, coloring and packing</b></p> <p><b>14:30</b> - Andrei Nikolaev, Paper 045: <i>On 1-skeleton of the cut polytopes</i></p> <p><b>14:50</b> - Artem Panin, Pavel Borisovsky, Anton Ereemeev, Maksim Sakhno, Paper 153: <i>Temporal Bin Packing Problems with Placement Constraints: MIP-Models and Complexity</i></p> <p><b>15:10</b> - Artem Pyatkin, Paper 177: <i>Asymptotically optimal construction of graphs with maximum number of open triangles and small number of edges</i></p> <p><b>15:30</b> - Gennady Zabudsky, Paper 029: <i>Maximin and Maxisum Network Location Problems with Various Metrics and Minimum Distance Constraints</i></p> <p><b>15:50</b> - Anna Lempert, Alexander Kazakov, Nguyen Duc Minh, Paper 084: <i>A heuristic algorithm for the problem of geodesic circles packing</i></p>	<p><b>Upper hall: Continuous optimization and optimal control</b></p> <p><b>14:30</b> - Maria Barkova, Alexander Strelalovsky, Paper 123: <i>On Solving Nonconvex Optimization Problem with Quadratic Data</i></p> <p><b>14:50</b> - Alexander Strelalovsky, Paper 175: <i>On a Numerical Solution of Bilevel Optimization Problems</i></p> <p><b>15:10</b> - Mohammad Alkousa, Fedor Stonyakin, Asmaa Abdo, Mohammad Alcheikh, Paper 127: <i>Optimal Convergence Rate for Mirror Descent Methods with Special Time-Varying Step Sizes Rules</i> (online)</p> <p><b>15:30</b> - Oleg Khamisov, Sergey Rozinov, Paper 132: <i>Deep cuts in concave programming</i></p> <p><b>15:50</b> - Demyan Yarmoshik, Michael Pershianov, Paper 152: <i>On the Application of Saddle-Point Methods for Combined Equilibrium Transportation Models</i></p>
16:10 - 16:50	<b>Coffee break</b>		
16:50 - 17:50	<p><b>Major hall: Applied research</b></p> <p><b>16:50</b> - Nikolay Ivanov, Oleg Khamisov, Paper 149: <i>Optimization of Line Differential Protection Settings in Power Systems Using Dual-Slope Restraint</i></p>	<p><b>Minor hall: Location, coloring and packing</b></p> <p><b>16:50</b> - Artem Panin, Evgeniy Brazhnikov, Paper 162: <i>Pattern-based greedy algorithms for a temporal bin packing</i></p>	<p><b>Upper hall: Continuous optimization and optimal control</b></p> <p><b>16:50</b> - Zulfuya Gabidullina, Paper 052: <i>Assessing the Perron-Frobenius Root of Symmetric Positive Semidefinite Matrices by the</i></p>

	<p><i>Characteristics</i></p> <p><b>17:10</b> - Nadezhda Dresvyanskaya, Paper 134: <i>Local search in convex quadratic bilevel programming problem</i> (online, in Russian)</p> <p><b>17:30</b> - Munko Victoria, Zykina Anna, Paper 172: <i>Digital solution for modeling and optimizing the construction of an educational program curriculum</i> (in Russian)</p>	<p><i>problem with placement groups</i></p> <p><b>17:10</b> - Roman Kozhevnikov, Ivan Davydov, Paper 117: <i>Tabu search for the <math>(r p)</math>-centroid problem under uncertainty</i></p> <p><b>17:30</b> - Stepan Nazarenko, Paper 176: <i>Updated Estimates for Severeal Algorithms for Packing 2-BAR Charts in a Strip</i></p>	<p><i>Adaptive Steepest Descent Method</i> (online)</p> <p><b>17:10</b> - Ivan Buchinskiy, Matvei Kotov, Alexander Treier, Paper 102: <i>On complexity of the problem of solving systems of tropical polynomial equations of degree two</i> (online)</p> <p><b>17:30</b> - Oleg Savchuk, Fedor Stonyakin, Sergei Puchinin, Mohammad Alkousa, Alexander Gasnikov, Paper 158: <i>Numerical Methods for Variational Inequalities and Saddle Point Problems with Relative Inexact Information</i> (online, in Russian)</p>
18:00 - 18:30	Closing of the conference (Major Conference hall)		