

PROGRAM

of the International Conference

**Mathematical Optimization Theory and Operations
Research (MOTOR-2024)**

Omsk, June 30 – July 6, 2024

June 30, Sunday

Arrival

July 1, Monday

09:00 Bus transfer from Nika hotel and Tourist Hotel to Pushkin Library

Registration

09:00 – 10:00 Pushkin Library, Lobby of the Conference Hall

10:00 – 12:30 Opening and Plenary Session

Conference Hall of Pushkin Library

10:00 – 10:30 **Opening of the conference, welcome**

Plenary session

Chair Khachay M.Yu., Ekaterinburg, Russia

10:30 – 11:10 **Shananin A.A., Trusov N.V.**, Moscow, Russia
Mathematical modeling of the consumer loan market in Russia

11:10 – 11:50 Coffee break

11:50 – 12:30 **Chen X.**, Beijing, China
Undirected Networks Immune to the Informational Braess's Paradox

12:40 Bus transfer from Pushkin Library to hotels Nika, Tourist and Hotel-41.

13:00 – 14:30 Lunch break

14:00 Bus transfer from Tourist hotel to Nika hotel

14:30 – 17:40 Parallel sessions (Nika hotel)
Scheduling and routing (Major hall)
Continuous optimization and optimal control (Upper hall)
Applied research (Minor hall)

16:10 – 16:50 Coffee break

Plenary talk (Major hall, Nika hotel)

17:50 – 18:30 **Pardalos P.** Gainesville, USA; Nizhny Novgorod, Russia (online)
AI and Optimization for a Sustainable Future
Chair Khachay M.Yu., Ekaterinburg, Russia

20:00 – 22:00 Reception (Nika hotel)

22:00 Bus transfer from Nika hotel to Tourist hotel

July 2, Tuesday

- 09:00 Bus transfer from hotels Nika and Hotel-41 to Tourist Hotel
- 09:30 – 12:10 Plenary session** (East conference hall of Tourist hotel)
Chair Kochetov Yu. A., Novosibirsk, Russia
- 09:30 – 10:10 **Wen Z.**, Beijing, China (online)
Exploring the Learning-based Optimization Algorithms
- 10:10 – 10:50 **Hildebrand R.**, Dolgoprudny, Russia
Tuning methods for minimization of self-concordant functions with optimal control
- 10:50 – 11:30 **Coffee break**
- 11:30 – 12:10 **Yu W.**, Nanjing, China (online)
"Distributed Optimization +" in Networks: A New Framework
- 12:10 – 12:30 **New funding opportunities for research in Russia**
(East conference hall of Tourist hotel)
Zheglov A., Moscow, Russia
- 12:40 Bus transfer from Tourist hotel to hotels Nika and Hotel-41
- 13:00 – 14:30 Lunch break**
- 14:00 Bus transfer from Tourist hotel to Nika hotel
- 14:30 – 18:30 Sessions** (Nika hotel)
Location, coloring and packing (Upper hall)
Game theory and mathematical economics (Major hall)
Machine learning and optimization (Minor hall)
- 16:10 – 16:50 Coffee break
- 19:00 Bus transfer from Nika hotel to Tourist Hotel

July 3, Wednesday

09:00 Bus transfer from hotels Nika and Hotel-41 to Tourist Hotel

09:30 – 12:20 Session of Industrial Applications
(East conference hall of Tourist hotel)
Chair Vasilyev I.L., Irkutsk, Russia

12:40 Bus transfer from Tourist hotel to hotels Nika and Hotel-41

13:00 – 14:30 Lunch break

14:00 Bus transfer from Tourist hotel to Nika hotel

**14:00 – 16:00 Joint meeting of the Russian Operations Research Society
and Operations Research Society of China** (Tourist hotel, West hall)

14:30 – 18:30 Sessions (Nika hotel)
Machine learning and optimization (Minor hall)
Scheduling and routing (Major hall)
Game theory and mathematical economics (Upper hall)

16:10 – 16:50 Coffee break

16:00 Bus transfer from Tourist hotel to Nika hotel

19:00 The conference dinner (Nika hotel)

22:00 Bus transfer from Nika hotel to Tourist Hotel

July 4, Thursday

09:00 Bus transfer from hotels Nika and Hotel-41 to Tourist Hotel

09:30 – 12:20 Plenary session (East conference hall of Tourist hotel)
Chair Kononov A.V., Novosibirsk, Russia

09:30 – 10:15 **Enkhbat R.**, Ulaanbaatar, Mongolia (online)
Recent Advances in Minimax Problem and Bimatrix Games

10:15 – 11:00 **Guschinsky N.**, Minsk, Belarus
Models and methods for optimization of electric public transport systems

11:00 – 11:40 **Coffee break**

11:40 – 12:20 **Konstantinova E.V.**, Yichang, China; Novosibirsk, Russia
Recent progress in domination theory

12:40 Bus transfer from Tourist hotel to hotels Nika and Hotel-41

13:00 – 14:30 Lunch break

14:00 Bus transfer from Tourist hotel to Nika hotel

14:30 – 18:30 Industrial challenges and Approaches to their Solution (Nika hotel, Major hall)

14:30 – 18:30 Sessions (Nika hotel)
Continuous optimization and optimal control (Upper hall)
Game theory and mathematical economics (Minor hall)

16:10 – 16:50 Coffee break

19:00 Bus transfer from Nika hotel to Tourist Hotel

July 5, Friday (Nika hotel)

09:00 Bus transfer from Tourist hotel to Nika hotel

09:30 – 10:30 Tutorials

Alexander Strekalovskiy, Irkutsk, Russia

New Principles of Non-Convex Optimization (Major hall)

Yury Kochetov, Novosibirsk, Russia

Black box optimization for business applications (Minor hall)

Pavel Borisovsky, Omsk, Russia

Application of GPU computing to solving discrete optimization problems (Upper hall)

10:30 – 11:00 Coffee break

11:00 – 13:00 Sessions

Location, coloring and packing (Minor hall)

Machine learning and optimization (Major hall)

Game theory and mathematical economics (Upper hall)

13:00 – 14:30 Lunch break

14:30 – 17:50 Sessions

Location, coloring and packing (Minor hall)

Continuous optimization and optimal control (Upper hall)

Applied research (Major hall)

16:10 – 16:50 Coffee break

18:00 – 18:30 Closing of the conference

19:00 Bus transfer from Nika hotel to Tourist Hotel

July 6, Saturday

Departure