XXIII International Conference
**Mathematical Optimization Theory
and Operations Research
MOTOR-2024**
Omsk Russia,
June 30 - July 06, 2024

The 23rd International conference "**Mathematical Optimization Theory and Operations Research**" (**MOTOR 2024**) https://motor24.oscsbras.ru/ will be held on **June 30-July 6, 2024** in Omsk, Russia. The conference traditionally brings together a wide research community in the fields of mathematical programming and global optimization, discrete optimization, complexity theory, game theory, and their applications in relevant practical problems of operations research, mathematical economics, and machine learning.

Original research papers in all areas of optimization and its applications are solicited. Along with theoretical results, submissions reporting on numerical algorithm benchmarking or solution techniques for real-world operations research problems are welcomed as well. Experimental and applied papers are expected to show convincingly the usefulness and comparative efficiency of the algorithms discussed in a practical setting.

Main conference topics include, but not limited to:

- Mathematical programming
- Discrete optimization
- Computational complexity and approximation algorithms
- Metaheuristics and local search methods
- Game theory
- Optimization in machine learning and data analysis
- Parallel computations to speed up the solution of optimization problems
- Applications in operations research: scheduling, routing, facility location, packing and cutting, manufacturing systems, etc.

Previous events

	Dates	Venue	Proceedings
MOTOR 2019	July. 8-12, 2019	Ekaterinburg, Russia	LNCS Vol.11548, CCIS Vol.1090
MOTOR 2020	July. 6-10, 2020	Novosibirsk, Russia	LNCS Vol.12095, CCIS Vol.1275
MOTOR 2021	July. 5-10, 2021	Irkutsk-Baikal, Russia	LNCS Vol.12755, CCIS Vol.1476
MOTOR 2022	July. 2-6, 2022	Petrozavodsk, Russia	LNCS Vol.13367, CCIS Vol.1661
MOTOR 2023	July 2-8, 2023	Ekaterinburg, Russia	LNCS Vol.13930, CCIS Vol.1881

Important dates

- abstract submission due: January 15, 2024
- full paper submission due: February 4, 2024
- notification of acceptance: March 15, 2024
- conference dates: June 30-July 6, 2024 (arrival June 30, departure July 6)

Submissions

To participate in the conference, all authors are invited to submit the abstracts of their presentations using a link provided on the conference site https://motor24.oscsbras.ru/pages/en_index.html#abstract

In addition, the authors will be able to submit full papers of their talks for possible publication in the conference proceedings (depending on reviewers recommendations). Each paper should report novel results not published or submitted simultaneously to any journal or another conference with refereed proceedings. Papers should be prepared in English, following the Springer LNCS Format, 12-15 pages long, and submitted as a PDF-file. Please, follow the official Springer authors guidelines: https://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines

It is expected that two volumes of conference proceedings will be published in LNCS and CCIS series of Springer Nature as in the previous editions of MOTOR conference.

After the conference, two or three special issues of high-level journals will be announced. The list of these journals will be available at the conference site.

Working languages of the conference are English and Russian.

Address of the organizing committee:

13, Pevtsova str., 644099, Omsk, Russia,
Omsk Division of Sobolev Institute of Mathematics SB RAS.
tel.: (3812) 236739,
E-mail: motor24@ofim.oscsbras.ru