

International conference “**Mathematical Optimization Theory and Operations Research**” (**MOTOR 2021**) will be held on **July 5-10, 2021**, in the picturesque place not far from **Irkutsk (Russia)** and **Lake Baikal**.

The conference brings together a wide research community in the fields of mathematical programming and global optimization, discrete optimization, complexity theory and combinatorial algorithms, optimal control and games, and their applications in relevant practical problems of operations research, mathematical economy, and data analysis.

MOTOR 2021 is a successor of the following well-known International and All-Russian conference series, which were held in Ural, Siberia, and the Far East for a long time:

- Baikal International Triennial School Seminar on Methods of Optimization and Their Applications (Irkutsk, Ulan-Ude),
- Mathematical Programming and Applications (Ekaterinburg),
- Discrete Optimization and Operations Research (Novosibirsk, Vladivostok),
- Optimization Problems and their Applications (Omsk).

All information will be available on the conference site:

<https://conference.icc.ru/e/motor2021>

The previous MOTOR conferences:

- MOTOR 2019 (Ekaterinburg) <http://motor2019.uran.ru/>
- MOTOR 2020 (Online) <http://www.math.nsc.ru/conference/motor/2020/>

The main conference topics include, but not limited to

- mathematical programming;
- global optimization;
- integer programming and combinatorial optimization;
- computational complexity, approximation algorithms, schemes, bounds, heuristics and metaheuristics;
- optimal control and game theory;
- optimization and approximation;
- optimization in machine learning and data analysis;
- applications in operations research: scheduling, routing, facility location, packing and cutting, manufacturing systems, etc.

Chairs of the Conference

General chair: **Panos Pardalos** (University of Florida, USA)

Co-chairs:

Michael Khachay (Krasovsky Institute of Mathematics and Mechanics, Russia)

Oleg Khamisov (Melentiev Energy Systems Institute, Russia)

Yury Kochetov (Sobolev Institute of Mathematics, Russia)

Alexander Strekalovsky (Matrosov Institute for System Dynamics and Control Theory, Russia)

Organizing Committee chair:

Alexander Kazakov (Matrosov Institute for System Dynamics and Control Theory, Russia)

Important dates

- abstract submission: January 16, 2021
- full paper submission: February 13, 2021
- notification of acceptance: March 20, 2021
- camera ready version: April 10, 2021
- conference dates: July 5-10, 2021

Abstract and paper submission

Authors are invited to submit their papers reporting on novel results that are not published or submitted simultaneously to any journal or another conference with refereed proceedings.

Abstract of the paper is sending by the Easychair Conference Management System <https://easychair.org/conferences/?conf=motor2021>, which is available now. Title of the presentation, key words, text of the abstract, and appropriate topics are included in the corresponding fields in the Easychair System.

Papers should be prepared in the Springer LNCS Format according to the LaTeX templates <ftp://ftp.springernature.com/cs-proceeding/lncs/lncs2e.zip>, can have 12-15 pages.

Please, follow the official Springer authors guidelines

<https://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines>

All papers should be submitted through the Easychair Conference Management System too.

Authors can send abstract without paper for oral presentation.

Publication and Special Issues

The conference proceedings are intended to be published by Springer Nature in the Lecture Notes in Computer Science (LNCS) and Communications in Computer and Information Science (CCIS) series. After the conference, it is planned to organize special issues of two-three high-level journals to publish substantially extended versions of selected papers. The list of these journals will be announced later at the conference site.

Invited Speakers (the list will be expanded)

Prof. Emilio Carrizosa (Institute of Mathematics of the University of Seville, Spain)

Prof. Claudia Sagastizábal (University of Campinas, Brazil)

Prof. Mikhail Solodov (Institute for Pure and Applied Mathematics, Brazil)

Information about Registration Fees will be available later

Contacts

Should you have any questions or concerns, please feel free to contact us at motor2021@icc.ru