International conference **"Mathematical Optimization Theory and Operations Research" (MOTOR 2020)** http://math.nsc.ru/conference/motor/2020 will be held on July 6-10, 2020, near Novosibirsk Scientific Center, Russia, at the Resort Hotel "Sosnovka" in a picturesque pine forest on the Ob River bay.

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

MOTOR 2020 is the annual international conference bringing together four well-known Russian and international conferences 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;
• Mathematical Programming and Applications (Ekaterinburg);
• Discrete Optimization and Operations Research (Novosibirsk, Vladivostok);
• Optimization Problems and their Applications (Omsk).

The previous conference MOTOR 2019 was held on July 2019 near Ekaterinburg http://motor2019.uran.ru

The main conference topics include, but not limited to
 • theory of mathematical optimization
 • integer programming and combinatorial optimization
 • global optimization, stochastic integer programming, multi-objective programming
 • computational complexity of combinatorial optimization problems
 • approximation algorithms and schemes
 • heuristics and metaheuristics for decision making and artificial intelligence
 • game theory and multilevel programming
 • optimization in machine learning and data analysis
 • applications in operations research: scheduling, routing, facility location, packing and cutting, supply chain, etc.

Chairs of the Conference

General chair: **Vladimir Beresnev** (Sobolev Institute of Mathematics, Russia)

Honorary chair   **Panos Pardalos** (Florida, USA)

Program chairs: **Alexander Kononov** (Novosibirsk, Russia), **Mikhail Khachay** (Ekaterinburg, Russia),

Organizing Committee chair: Yury Kochetov (Sobolev Institute of Mathematics, Russia)

Confirmed plenary speakers

- **Alexander Kostochka**, University of Illinois at Chicago, USA
- **Soumyendu Raha**, Indian Institute of Science, Bangalore, India
- **Aida Abiad**, Maastricht University Netherlands
- **Bo Chen**, University of Warwick, UK
- **Sergei Chubanov,** Bosch Research, Germany
- **Yakov Zinder**, University of Technology Sydney Australia

Important dates

- abstract submission:	January 17, 2020
- full paper submission:	February 14, 2020
- notification of acceptance:	March 20, 2020
- camera ready version:	April 10, 2020
- payment of the registration fee (100 euro):	June 5, 2020
- arrival at the hotel:	July 5, 2020
- conference dates:	July 6-10, 2020

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. 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, can have 12-15 pages, and submitted in PDF. Please, follow the official Springer authors guidelines and LNCS Latex templates. All papers should be submitted through the easychair conference management system, which is available now.

Authors can send abstract without paper for oral presentation.

Publication and Special Issues

The conference proceedings are intended to be published by Springer 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 some high-level journals to publish substantially extended versions of selected papers. The list of these journals will be announced soon, at the conference site http://www.math.nsc.ru/conference/motor/2020/.

Contacts

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