



**«MODERN PROBLEMS IN MATHEMATICS AND
ITS APPLICATIONS»**

INTERNATIONAL (51st NATIONAL)
YOUTH SCHOOL-CONFERENCE
2020, February 3–7, Yekaterinburg

FIRST ANNOUNCEMENT

N.N. Krasovskii Institute of Mathematics and Mechanics of the Ural Branch of the Russian Academy of Sciences organizes from **February 3 to 7, 2020**, the International (51st National) youth school-conference "Modern problems in mathematics and its applications". The school-conference includes lectures of leading scientists and short talks of young participants. The lecture courses are oriented to students, graduate students and young scientists. The conference will be held at the N.N. Krasovskii Institute of Mathematics and Mechanics in the city of Yekaterinburg.

The main topics (sections planned) of the school-conference are:

1. Algebra and combinatorics (includes subsections: group theory chaired by Dr.Sc. N.V. Maslova, algebraic graph theory chaired by Ph.D. E.V. Konstantinova, algebra and its applications chaired by Dr.Sc. V.A. Baranskii);
2. Computer science, data analysis and artificial intelligence (chaired by M.A. Chernskutov);
3. Mathematical biology (chaired by Ph.D. S.F. Pravdin);
4. Mathematical programming, ill-posed problems and data analysis (chaired by Dr.Sc. M.Yu. Khachai);
5. Optimal control and differential games (chaired by Ph.D. V.S. Patsko);
6. Theory of functions (chaired by R.R. Akopyan, Ph.D.);
7. Theory of probability and random processes (chaired by Ph.D. Yu.V. Averbukh).

Any students, graduate students and young scientists can take part in the school-conference.

To participate with a talk, you should complete the registration form on the website <https://sopromat.imm.uran.ru>, choose a section and upload there not later than December 25 a pdf-file with an abstract of the report. The abstract should include a brief description of the main results of the announced report. The best results, by the recommendation of the program committee, are going to be published in a Scopus/WoS -indexed journals.

To participate without a talk, you should complete the registration form on the website not later than January 25.

Local organizing committee (LOC): *16, Sofia Kovalevskaya str., Yekaterinburg, 620108 Russia,
N.N. Krasovskii Institute of Mathematics and Mechanics
of the Ural Branch of the R.A.S.
E-mail: sopromat2020@imm.uran.ru
Web page: <https://sopromat.imm.uran.ru>*

LOC Chairman:
Dr.Sc., R.A.S. Prof. Antonov
Nikolay Yurievich

Program committee chairman:
corr.-mem. of R.A.S, Prof. Makhnev
Alexander Alexeyevich

LOC secretary:
Mr. Pavel Chistyakov