



**«ACTUAL PROBLEMS OF MATHEMATICS AND
ITS APPLICATIONS»**

INTERNATIONAL (48-th NATIONAL)
YOUTH SCHOOL-CONFERENCE
2017, February from 5 to 11, Yekaterinburg

FIRST ANNOUNCEMENT

N.N. Krasovsky Institute of Mathematics and Mechanics of the Ural Branch of the Russian Academy of Sciences and the Ural Federal University named after the First President of Russia B.N. Yeltsin organize from February 5 to February 11, 2017, the International (48th National) youth school-conference "Actual problems of mathematics and its applications". School-conference includes lectures of leading scientists and sectional reports of the young participants. Lecture courses are oriented to students, graduate students and young scientists. The information about the venue of the conference will be announced later.

The main directions of work of the school-conference:

1. Algebra and discrete mathematics
2. Mathematical theory of optimal control and differential games
3. Topology and Geometry
4. Computer Science and Information Security
5. Approximation of functions
6. Mathematical programming and data analysis
7. The technical vision, robotics and parallel computing
8. Functional analysis and partial differential equations
9. Numerical methods for solving differential equations

Any students, graduate students and young scientists (with the report or not report) can take part in a school conference.

To participate with a report one should complete the registration form on the website <http://sopromat.imm.uran.ru> and upload there not later than December 15 a pdf-file with an abstract of the report. The abstract should include a brief description of the main results of the announced report. Be sure to add a reference list. The size of abstracts should not exceed 1 page of format A4 (including references). Some best results, by the recommendation of the program committee, will be published in CEUR Workshop Proceedings, SCOPUS indexed.

To participate without the report one should complete the registration form on the website not later than December 15.

Local organizing committee (LOC): 620990, Russia, Yekaterinburg, Sofia Kovalevskaya str., 16
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