

**SIBERIAN BRANCH
OF RUSSIAN ACADEMY OF SCIENCES**

**RUSSIAN NATIONAL COMMITTEE ON THEORETICAL
AND APPLIED MECHANICS**

**LAVRENTYEV INSTITUTE OF
HYDRODYNAMICS SB RAS**



**IXTH INTERNATIONAL CONFERENCE DEDICATED TO
THE 120TH ANNIVERSARY OF BIRTH OF ACADEMICIAN
MIKHAIL ALEKSEEVICH LAVRENTYEV**

**“LAVRENTYEV READINGS ON MATHEMATICS,
MECHANICS and PHYSICS”**

September 7-11, 2020

Novosibirsk, Russia

FIRST INFORMATION LETTER

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The IXth International Conference “Lavrentyev readings on mathematics, mechanics and physics” is dedicated to the 120th anniversary of birth of an outstanding Russian mathematician and specialist in mechanics, the founder of the Siberian branch of the Russian Academy of Sciences, academician Mikhail Alekseevich Lavrentyev. The purpose of the conference is to analyze actual problems of continuum mechanics and to discuss the ways of their solutions.

MAIN SCIENTIFIC DIRECTIONS

- Mathematical problems of continuum mechanics.
- Computational and analytical hydrodynamics of natural systems and technological processes.
- Mechanics and physics of impulse processes. Energetic materials, combustion, and detonation. Applied problems.
- Behavior of materials and structures under static and dynamic loading. The synthesis of new materials.

REQUIREMENTS

We invite all colleagues to take part in the Conference. The reports will be selected by the Program Committee members basing on the abstracts. The program of the Conference will include original reports reflecting the current state of the art in science and technology in the areas mentioned above. To participate in the Conference, please register on its website and submit an abstract by e-mail until 16 March 2020.

Please send abstracts (maximum 1 page of A4 format, font size: 12pt) to the Organizing Committee of the Conference. The abstract template is available on the Conference website. Except the original version, please submit an abstract and figures in PDF format.

PUBLICATION OF CONFERENCE PROCEEDINGS

The Program Committee members will recommend the selected conference proceedings for publication in “[Combustion, explosion, and shock waves](#)” and “[Journal of Applied Mechanics and Technical Physics](#)”. To publish paper based on the report, please submit a full-text paper written in correspondence with the journal requirements before the conference starts and take part in the conference on-site. The papers reviewed in accordance with the journal requirements will be published in 2021.

IMPORTANT DATES

16 March 2020	Abstract submission and online registration
8 May 2020	Notification of report acceptance
7-11 September 2020	The Conference dates

CONFERENCE VENUE

The conference will be held in a picturesque region of Novosibirsk situated at the shores of the Ob water reservoir (also called the Ob Sea) in Akademgorodok where the well-known Novosibirsk Scientific Center is located. The working languages of the Conference are Russian and English.

REGISTRATION FEE

For foreign participants, the registration fee is 10000 RUB. For more information on payment details, please contact the Conference Secretary.

CONTACT INFORMATION

Abstracts, questions, and correspondence should be addressed to the Conference Secretary Alexey Olegovich Kashkarov

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