



15th International Conference
«Optical Methods of Flow Investigation»

OMFI-2019

National Research University
«Moscow Power Engineering Institute» (MPEI)
Russia, Moscow, June 24 – 28, 2019



Call for papers

Organizers

Russian Academy of Sciences
(Siberian Branch)
Ministry of Science and Higher Education of
the Russian Federation
Institute of Thermophysics SB RAS
National Research University "MPEI"
Optical society named after
D.S. Rozhdestvensky

Organizing Committee

Conference co-chairs:

D.M. Markovich - Correspondent member
of the RAS
A.V. Klimenko - Academician of the RAS

Program Committee Co-Chairs:

Professor Yu.N. Dubnischev
Professor B.S. Rinkevichyus

The Program Committee includes leading
scientists specializing in the field of
optical methods of flow investigation

**Deputy Chairman of the Organizing
Committee:**

Ph.D., Associate Professor N.M. Skorniyakova

Scientific Secretary:

Ph.D. A.Yu. Poroykov

Important dates

20 February – Abstract submission deadline
27 February – Abstract acceptance Notification
15 April – Full paper submission deadline
30 May – Full paper acceptance Notification
20 June – Conference Fee Transfer deadline
24 June – Conference opening

Contacts

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Website:
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About the conference

The conference "Optical Methods of Flow Investigation" has been regularly held since 1989 at intervals of 2 years. The All-Union Seminar was held in 1989, I and II All-Union Conferences (founder – Institute of Thermal Physics of the Siberian Branch of the Russian Academy of Sciences) were held in 1991 and 1993.

Since 1995, conferences have been held at the Moscow Power Engineering Institute (MPEI) under the auspices of the Siberian Branch of the Russian Academy of Sciences and the Ministry of Education of the Russian Federation, the co-founders were MPEI and the Institute of Thermophysics of the Siberian Branch of the Russian Academy of Sciences.

Conference topics:

- application of optical methods for the study of energy-physical installations
- shadow and refractometric methods
- laser and optical interferometry
- laser anemometry (Doppler, phase Doppler, track, time-of-flight)
- Particle Image Velocimetry
- optical methods for determining particle concentration and size
- computer methods of signal and image processing
- flow visualization methods
- fiber-optic sensors for physical fields measuring
- optical methods for the study of micro- and nanoflows
- optical methods in biomedicine and ecology
- optical methods for deformation measurement
- application of optical methods
- computer simulation of physical processes in continuous media
- acousto-optics and optoacoustics

Venue

The 2019 15th International Conference Optical Methods of Flow Investigation (OMFI-2019) will be held in Moscow, Russia, at the National Research University "Moscow Power Engineering Institute" (MPEI), buildings "A" and "B". Russia, Moscow, Krasnokazarmannaya str., 17.

The National Research University "Moscow Power Engineering Institute" is the leading power engineering institute in Russia having about 15,000 students from more than 60 countries. MPEI is one of the largest technical universities of Russia. It provides the specialist's training and scientific research in the field of energetic, electrical engineering, radio electronics, computer engineering. The more detailed information about the University can be found at MPEI [website](#).

The weather conditions for the event dates may vary. In June for Moscow average daytime temperatures is 22° Celsius, average nighttime temperatures is 14° Celsius. The more detailed information about the city can be found at [website](#).

General Information

Conference proceedings will be published as an electronic collection of articles in Russian and indexed in the RISC. Papers in English **presented at sessions** will be published in the [Journal of Physics: Conference Series](#) (JPCS), indexed in Scopus and Web of Science.

The papers recommended by the Program Committee are planned to be published as articles in scientific journals "Scientific Visualization", "Light & Engineering" and "Optoelectronics, Instrumentation and Data Processing" indexed in Scopus and/or Web of Science.

Paper submission for the conference will be made in two stages:

1. Abstract submission containing from 200 to 300 words in Russian or English languages through the [form](#) on the conference website. Deadline February 20, 2019.
2. Full paper submission in Russian and/or English in MS Word format prepared according to the appropriate templates. Deadline is April 15, 2019.

Papers must contain the results of original research and meet the following criteria: the **relevance of the problem** under consideration, the **novelty** of the research, the prospects for the **practical application** of the work results. All reports will be blindly reviewed. The Organizing Committee reserves the **right to reject** materials that do not meet the above criteria, or those prepared not in accordance with the established templates.