



## OPSO 2023 Conference Second Announcement Letter

Dear Colleagues!

On behalf of the International Laboratory of Dynamical Systems and Applications, I cordially invite researchers and students to take part in the One-Parameter Semigroups of Operators (OPSO 2023) Conference held online by the National Research University Higher School of Economics (HSE).

The conference will cover the following topics:

1. One-parameter (semi)groups of linear operators, their applications, and generalizations;
2. Nonlinear (semi)flows: ergodicity, chaos, and other dynamical phenomena;
3. The interplay between linear infinite-dimensional systems and nonlinear finite-dimensional systems;
4. Quantum physics, quantum information, and quantum dynamical semigroups;
5. Infinite-dimensional analysis, probability, stochastic processes, and financial mathematics;
6. Related topics;

The conference welcomes both communications on new research results as well as overview and biographical talks. Speakers can expect the definition of a  $C_0$ -semigroup is known to the attendees. Still, other definitions are better to be given, and the talk should be accessible to an unprepared audience because the conference usually attracts rather many students. All talks are given online. If the speaker agrees, the recording of the talk is uploaded to YouTube.

### **A short summary:**

Working dates: 27 February – 3 March 2023

Registration for speakers: please register before 10 February 2023

Deadline for abstract submission: please submit the abstract before 15 February 2023

Working language: English                      Place: online via Zoom

Registration fee: no charges

Book of abstracts: published on the website of the conference

Website: <https://nnov.hse.ru/bipm/dsa/opso2023> Email: opso-conf@yandex.ru

**Notice.** If you cannot participate in the conference then your results (from your already published papers) can be presented by a volunteer, as an overview talk. In that case your name will not appear in the list of participants on the website, and you will not be considered as a participant, however your result will be communicated and scientific discussion will proceed without delay. To use this option please write to Ivan Remizov via [ivremizov@yandex.ru](mailto:ivremizov@yandex.ru) or select "I prefer not to participate but to ask a volunteer to give an overview talk about my published results" in the registration form.

This is the third time the worldwide community of researchers interested in operator semigroups gathers together for fruitful discussions at the online OPSO conference. Webpages of previous conferences are:

OPSO 2021 <https://nnov.hse.ru/bipm/dsa/opso2021>

OPSO 2022 <https://nnov.hse.ru/bipm/dsa/opso2022>

Hope you will like OPSO 2023 even more than OPSO 2021 and OPSO 2022. See you soon!

**Organization Committee:**

Ivan Remizov (chairman), Oleg Galkin (vice chairman), Alexander Vedenin, Ksenia Dragunova, Anna Smirnova, Anna Ivanova, Polina Panteleeva, HSE (Russia, Nizhny Novgorod City)

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We cordially invite you, your colleagues and students to take part in the One-Parameter Semigroups of Operators (OPSO 2023) Conference. If you have any questions, please contact us via email at [opso-conf@yandex.ru](mailto:opso-conf@yandex.ru).

The information above is correct on the current date: 13<sup>th</sup> January 2023. However, the information presented on the website of the conference always has the highest priority.

Best wishes,

Ivan Remizov

Chairman, OPSO 2023 Conference Organization Committee

13.01.2023