

THE 5th ANNIVERSARY OF THE INTERNATIONAL SIRIUS MATHEMATICS CENTER

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The International Sirius Mathematics Center, located on the Black Sea coast, was founded in 2019 by the Talent and Success Foundation for organizing mathematical conferences and other events promoting the development of mathematics in Russia. In 2024, the Center has acquired its own Russian-language journal for publication of original research papers by participants of conferences held at the Center. The authors are invited to submit papers to the journal at <https://ef.msp.org/submit/sirius>

The main objective of creating the Center was to build up an organization that would be specialized in arranging one week-long scientific conferences and schools for graduate students and young researchers. Such centers exist for a long time in many countries. For example, the Oberwolfach center in Germany, which hosts about 50 conferences annually, exists since 1944. One can also recall Banff International Research Station for Mathematical Innovation and Discovery in Canada, the Mathematical Research and Conference Center in Bedlewo in Poland and many others. Besides centers specializing in organizing conferences only, there are many centers and institutes that combine long-term programs and conferences. The oldest institute of such kind – the Mittag-Leffler Institute in Stockholm was founded in 1916. This was probably an inspiration for establishing of many other mathematical centers. For example, the Henri Poincaré Institute in Paris was created in 1928 and the Institute for Advanced Study in Princeton, New Jersey, in 1930. Nowadays, only in Europe there are 35 mathematical research centers that form the European Research Centers in Mathematics committee (ERCOM) of the European Mathematical Society. One should also mention a large number of mathematical centers in China created relatively not long ago.



Until recently, there were no centers in Russia organizing short mathematical events in all

areas of pure and applied mathematics. Our main idea was to establish such activities with a minimal staff.

The International Sirius Mathematics Center was founded in November 2019 by the Talent and Success Foundation, and the first three conferences already took place in February 2020. However, due to Covid 19, we had to interrupt our activities, and the next fourth conference was held only in June 2021. At present, the Center holds three types of regular events: conferences, schools for young researchers, and working group meetings. Our activities cover all areas in mathematics, and our events are open to mathematicians from all over the world.

The goal of the Center is to intensify research in mathematical sciences in Russia, extend personal and professional contacts between mathematicians, involve Russian graduate students in current scientific research in the field of mathematics, and support the mathematical component of research and development at the Sirius University of Science and Technology. Our goal is to become a meeting place for researchers in all areas of mathematics and their applications so that they could exchange their scientific ideas, collaborate on projects, and professionally teach students and young scientists.

The Scientific Council of the International Sirius Mathematics Center provides scientific and organizational support for all activities at the Center. The main task of the Scientific Council is to give an expert assessment of applications as well as to promote recognition of the Center throughout the world. The Scientific Council is small and consists of S. K. Lando, A. A. Laptev (chairman), A. E. Mironov, A. V. Shchuplev, D. V. Treschev, and A. K. Tsikh.

The International Sirius Mathematics Center is currently accepting applications for events in 2025 with the deadline of October 20, 2024. After that date the Scientific Council will choose the best proposals to be supported by the Center and advertise the activities for 2025 on our website. Preference will be given to applications that have not yet received support from the Center during the last two years (2023 and 2024).

In 2021, the International Sirius Mathematics Center organized the first conference of mathematical centers in Russia which is now one of the main annual events in the mathematical life of Russia. Subsequent conferences of mathematical centers held in Moscow and Maikop were very successful, and there is no doubt that the conference in St. Petersburg in August 2024 will also be a very memorable event. At the first conference, the Talent and Success Foundation allocated funds for nine prizes to young mathematicians in Russia. In 2024, we are resuming such prizes that will be presented at the conference in St. Petersburg.

After some discussions with colleagues and the inventors of the Talent and Success Foundation, we have finally decided to launch a new mathematical journal which is called "Sirius. Mathematical Journal." This is its first issue. We plan to publish new results of those mathematicians who contributed to the activities of the International Sirius Mathematics Center. All (Russian and foreign) participants of conferences and schools held at the Center since 2020 are invited to submit their research articles for publication in our journal. The majority of the articles that we accept are simply research papers. However, we are also planning to publish thematic issues. For example, we are ready to publish school lectures to senior students, graduate students and young researchers given at our center.

The Russian-language "Sirius. Mathematical Journal" will be in Open Access; moreover, we plan to distribute 500 printed copies of the journal free of charge among mathematicians and mathematical organizations in Russia and abroad. Starting from the first issue, "Sirius. Mathematical journal" will also be published in English by Springer as a (new) source journal

of the "Journal of Mathematical Sciences. Series B" with frequency of 3–4 issues per year. This would give our foreign participants in Sirius conferences an opportunity to publish their new results in our journal.

All submitted paper will be peer reviewed by the Editorial Council and the Editorial Board of the journal with the help of conference organizers. The Editorial Council includes 5 members of the Scientific Council of the Center and 35 members of the Russian Academy of Sciences who participated in conferences of the International Sirius Mathematics Center. The journal uses the software service EditFlow for managing the submission. The Russian-language "Sirius. Mathematical Journal" is sponsored by the Talent and Success Foundation and published by the editorial and publishing department led by its head Tamara Rozhkovskaya from Novosibirsk.

I would like to take this opportunity to invite all colleagues to submit their research articles in our new "Sirius. Mathematical Journal." Please, use the following EditFlow website:

<https://ef.msp.org/submit/sirius>