



**INTERNATIONAL CONGRESS
OF MATHEMATICIANS**
2022 **SAINT**
JULY 6-14 **PETERSBURG**



LADYZHENSKAYA MEDAL IN MATHEMATICAL PHYSICS

NEW PRIZE ANNOUNCEMENT

Olga Alexandrovna Ladyzhenskaya (1922-2004) occupies a very special place in the history of mathematics and mathematical physics in St Petersburg, Russia, and worldwide. Her theorems shaped the modern theory of Partial Differential Equations of mathematical physics. Through her lectures, seminars, and students, she inspired extraordinary advances in many other branches of mathematical physics, including Quantum Field Theory and Statistical Physics.

2022, the year of the St Petersburg ICM, will mark the 100th birthday of Olga Alexandrovna. The National Committee of Mathematicians of Russia, St Petersburg State University, and, for the inaugural prize, the Organizing Committee of the ICM establish a new prize in honor of Ladyzhenskaya to be awarded for the first time at a special event dedicated to Ladyzhenskaya Centennial during ICM 2022.

The Ladyzhenskaya medal in mathematical physics will be awarded every 4 years to recognize revolutionary results in or with applications to mathematical physics. This includes any existing or future area of research in mathematical physics and neighboring fields of mathematics.

The winner receives a medal and a cash award of 1 million rubles. If the main work is joint among several people, the committee may consider a shared prize. Full statutes of the prize may be [found](https://icm2022.org) at icm2022.org



Nominations should be submitted to the Chair of the 2022 Prize Committee, Professor Giovanni Felder at giovanni.felder@math.ethz.ch. Each nomination should contain a detailed description of the work of the candidate and where it fits in the overall development of the field, including references. Nominations are confidential, and must not be disclosed to the candidate. The deadline for nominations is December 1, 2021.

In its decisions, the prize Committee will be guided by the pursuit of excellence as well as attention to the diversity of both the field of mathematical physics and the people who work in it. The winner(s) of the prize will be announced during ICM 2022.

The organizers of the prize invite proposals for the design of the award insignia. Proposals should be submitted to loc@icm.org. The best proposal will receive an invitation to OAL Centennial and a modest cash award.

To learn more about the extraordinary life and career of Olga Alexandrovna Ladyzhenskaya, a great resource is the [article](#) in the Notices of AMS by S. Friedlander, P. Lax, C. Morawetz, L. Nirenberg, G. Seregin, N. Uraltseva, and M. Vishik, as well a [story](#) in the Bulletin of the AMS by S. Friedlander. Further material and references may be found on the site of the St. Petersburg Mathematical Pantheon devoted to O. A. Ladyzhenskaya and on the ICM webpage, see in particular the collection of [essays](#) about OAL.