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LADYZHENSKAYA MEDAL  
IN MATHEMATICAL PHYSICS

## LADYZHENSKAYA MEDAL IN MATHEMATICAL PHYSICS

### Preamble

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.

### Statutes

1. The Ladyzhenskaya medal in mathematical physics is 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.
2. Any individual can receive the Ladyzhenskaya medal, with the exception of past recipients of IMU prizes and those

with a conflict of interests, such as current members of the Prize Committee.

3. The winner receives a medal and a cash award of 1 million rubles.
4. The winner is decided by the Ladyzhenskaya Medal Committee, which is formed by the organizers of the prize in consultation with leading international experts. Only the name of the Chair of the Committee is made public before the winner is announced.
5. Nominations should be submitted to the Chair of the prize Committee. The nominations 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. Self-nominations will not be considered. The committee is free to consider mathematicians not nominated, or to solicit nominations. The committee solicits additional letters of reference to complement the nominations; these are equally confidential.
6. If the main work is joint among several people, the committee may consider a shared prize, in consultation with the organizers of the prize. If the award is shared, the cash award is divided equally among the winners and every winner receives a medal.
7. 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.
8. In its actions and deliberations, the prize Committee follows

the best international practices, including the IMU Guidelines regarding conflict of interest.