



International  
Mathematical  
Union

## Statutes for the Carl Friedrich Gauss Prize for Applications of Mathematics

*As decided at the Executive Committee of the IMU in 2002  
with subsequent changes*

### Preamble

The Carl Friedrich Gauss for Applications of Mathematics is named after the eminent German mathematician Carl Friedrich Gauss (1777–1855). The initial funds for the Prize came from a positive balance of ICM 1998 in Berlin, and are administrated by the Deutsche Mathematiker-Vereinigung (DMV).

### Statutes

1. The Carl Friedrich Gauss Prize for Applications of Mathematics is to be awarded for outstanding
  - (a) mathematical contributions that have found significant practical applications outside of mathematics, or
  - (b) achievements that made the application of mathematical methods to areas outside of mathematics possible in an innovative way, e.g., via new modeling techniques or the design and implementation of algorithms.
2. The Carl Friedrich Gauss Prize is given, in particular, for the impact the work of the prize winner has had in practice. Since the practical usefulness of mathematical results is often not immediately visible and since the applicability and importance for practice may only be realized after a long time lag, no age limit should restrict the choice of a prize winner.
3. The Carl Friedrich Gauss Prize may also be awarded to
  - (a) a group of individuals who have jointly made a contribution as specified above, or to
  - (b) a group of persons whose individual contributions have jointly resulted in the impact that this prize is intended to honor.
4. The Carl Friedrich Gauss Prize is awarded every four years at an International Congress of Mathematicians. The Prize is awarded by the IMU President and a representative appointed by the DMV.
5. The award consists of a gold medal bearing the profile of Carl Friedrich Gauss and a cash award of EUR 10,000. In the case of a shared award each prize winner will receive a medal, and the cash award will be divided. The DMV is responsible for providing the medal(s) and the cash award.
6. The Gauss Prize Committee that decides the recipients of the Carl Friedrich Gauss Prize, is chosen by the Executive Committee of the International Mathematical Union. The Committee must abide by the IMU Guidelines regarding conflicts of interest in its deliberations. The name of the Chair of the Committee is made public, but the names of other members of the Committee remain anonymous until the award of the prize at the Congress.
7. Nominations for this award must be submitted to the Prize Committee Chair. Any nomination should contain the name and affiliation of candidate, as well as a description of the work that qualifies the candidate for the award, written in terms that are accessible to mathematicians of different backgrounds, including references to the candidate's important publications.

Nominations are confidential, and must not be disclosed to the candidate. Self-nominations are strongly discouraged. The Committee is free to consider persons not nominated.

8. No person can receive more than one IMU Award<sup>1</sup>. An exception is that an individual can receive the Leelavati Prize in addition to one other IMU Award.
9. No person can receive an IMU Award or be an ICM Emmy Noether Lecturer while serving on the IMU Executive Committee.

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<sup>1</sup> Fields Medal, IMU Abacus Medal/Rolf Nevanlinna Prize, Carl Friedrich Gauss Prize, Chern Medal Award, and Leelavati Prize.