# Institute of Mathematics of the Polish Academy of Sciences

announces a competition for an MSc student scholarship within the project

## Arithmetic of differential equations

(NCN OPUS grant, principal investigator: dr. hab. Masha Vlasenko)

The project is devoted to the study of arithmetic properties of functions originating from algebraic geometry (period functions) and developing of $p$-adic methods in this field. The successful candidate is expected to prepare his/her master thesis under the supervision of the principal investigator of the project.

Conditions:

- At the starting date the applicant must be enrolled in an MSc program at one of the Polish universities at a department specializing in mathematics.
- The candidates are expected to have a basic knowledge of algebra and number theory and be able to demonstrate their interest in learning this branch of mathematics.

The scholarship is awarded for a fixed period of 12 months, with a possibility of extension with the consent of the principal investigator. The successful candidate will receive 2000 PLN per month. This amount is tax-free and paid in full. In addition the student will be given funding to attend scientific schools and conferences. In the case of extension of the period of this scholarship the financial conditions may change.

The scholarship is granted respecting the NCN rules of funding stated in the Resolution of the Council of the National Science Center no 25/2019 from March 14, 2019, see annex `https://www.ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2019/uchwala25_2019-zal1.pdf`

Applications containing

- basic personal data, including first and last name, date of birth and contact email address,
- information about candidate's studies, such as date of commencement, department, the list of advanced lecture courses attended by the candidate,
- information about candidate's scientific achievements, such as the average grade from previous years, grades from the last semester, information about BSc thesis, awards and distinctions, scholarships and other information that the applicant finds relevant,
- a brief description of candidate's mathematical interests and expectations for his/her master thesis

should be sent by

### January 20, 2022

by email to the principal investigator of the project, **mvlasenko@impan.pl**. Applications will be considered by a scientific committee. Chosen candidates may be invited to a remote interview on January 24-28. The decisions will be sent by email by **January 31, 2022**.

DYREKTOR
Instytutu Matematycznego PAN

Prof. dr hab. Łukasz Stettner