



**Research scholarship for a doctoral student in frame of the grant
of National Science Centre Poland Sonata Bis:**

*Mathematical analysis of hydrodynamic models
– nonlinearities, non-locality, domain, scales*

It is expected that the candidate will be active in research and scientific development in the field of mathematical analysis of partial differential equations for hydrodynamic models, with particular emphasis on nonlinear models. Additional information can be obtained from PI of the project: dr hab. Aneta Wróblewska-Kamińska, prof. IM PAS, e-mail: awrob@impan.pl.

Requirements:

- Candidates should possess a good knowledge in mathematical analysis, functional analysis, and partial differential equations.
- Interest in the subject of the project and motivation for research.
- A master's degree or its equivalent in mathematics, physics or computer science.
- Candidates should be a student of doctoral school in Poland. Studies should not start earlier than October 1st, 2021. This period may be extended due to breaks related to maternity, parental, or health leave.
- Good knowledge of English.

The conditions of employment:

- Scholarship agreement for a period of 12 months from December 1st, 2024. The scholarship can be extended to 36 months.
- The scholarship for a doctoral student is PLN 2 500 monthly. The amount of PLN 2 500 may constitute an additional scholarship to the scholarship of the doctoral school. The amount of the scholarship might change.

Required documents (in Polish or English):

- Curriculum vitae, description of scientific achievements, awards, distinctions, lectures at conferences and seminars.
- Description of scientific interests and education and skills adequate to the project.
- Scan of the graduate diploma or its equivalent.
- List of publications or master thesis in the absence of them.
- A recommendation letter from a researcher and an e-mail address of the person is recommended.
- Permission the processing of personal data.

The deadline for submitting documents is November 26th, 2024. Document files in PDF format should be sent to the following address: awrob@impan.pl.

Results of the competition will be announced by November 30th, 2024. During the recruitment, the committee reserves the right to invite selected candidates for the interview (in the form of a teleconference). The scholarship will be awarded in accordance with the [NSC research scholarship regulations in research projects financed by the National Science Centre Poland funds passed by the Councils of NSC](#) with resolution No. 25/2019 from March 14, 2019, and in accordance with the IMPAS rules.

Deputy Director
Institute of Mathematics of PAS

Dr. hab. Piotr Nowak