



### **Student scholarship, part of the grant NCN Maestro** ***Forcing axioms, inner models and determinacy***

The student must have a BA degree in mathematics or in a related field, preferably with a strong background in mathematical logic. At the masters level, the student is expected to learn all the background material necessary to conduct research in set theory. At the PhD level the student will actively conduct research in the area of set theory that studies the derived models of determinacy.

#### **Qualifications:**

- A. Applicants for an MS or an equivalent degree. BA degree in mathematics, physics or computer science. Expertise and research interests in an area closely related to the project,
- B. Applicants for a PhD or an equivalent degree. MS (or equivalent) degree in mathematics, physics or computer science. Programming skills are desirable (Julia, Python, convex optimization and semidefinite programming),
- C. The candidates should demonstrate good knowledge of mathematical logic and set theory.

#### **Work conditions:**

- A. Scholarship contract for 36 months starting from April 1<sup>st</sup>, 2025. The condition for receiving the scholarship is to be enrolled as a masters or doctoral student in Poland not earlier than on October 1<sup>st</sup>, 2022,
- B. Scholarship 4000 PLN per month. The amount 4000 PLN is tax-free and paid in full and may constitute an additional scholarship to the doctoral scholarship of the candidate.

#### **Required application documents:**

- A. CV,
- B. Description of scientific interests,
- C. Description of scientific achievements, awards and distinctions,
- D. List of publications (if applicable), talks during conferences and seminars.

For an additional information please contact the grant director Dr. hab. Grigor Sargsyan, prof. IM PAN, e-mail: [gsargsyan@impan.pl](mailto:gsargsyan@impan.pl).

For full consideration, the above documents should be sent by **February 22<sup>nd</sup>, 2025** to [gsargsyan@impan.pl](mailto:gsargsyan@impan.pl). The competition results will be announced as soon as possible, but at the latest on March 10<sup>th</sup>, 2025.

During recruitment, the selection board reserves the right to conduct interviews with candidates (in the form of a teleconference) only with selected candidates.

The scholarship will be awarded in accordance with the regulations available in the Annex to the Council.

Deputy Director  
for Scientific Matters  
Institute of Mathematics of PAS

Dr. hab. Piotr Nowak