INSTYTUT MATEMATYCZNY
POLSKIEJ AKADEMII NAUK

PhD scholarship within NCN OPUS grant
„*Between nonlinear partial differential equations and Sobolev-type inequalities*”

The candidate is expected to conduct active scientific research in the field of nonlinear problems with the curl-curl operator, motivated by nonlinear Maxwell equations and the Born–Infeld theory.

Employment conditions:

1. Scholarship agreement **for 12 months starting on November 1, 2025**. A prerequisite for receiving the scholarship is the commencement of doctoral studies in Poland not earlier than October 1, 2024. The scholarship may be extended up to a maximum period of 36 months depending on the doctoral student’s achievements and the duration of the grant.
2. The scholarship amounts to **3000 PLN per month**. The full amount of 3000 PLN is paid directly and may serve as an additional scholarship to the doctoral school scholarship.

Additional information may be obtained from the grant principal investigator: prof. dr hab. Jarosław Mederski, email: jmederski@impan.pl.

Requirements:

Completed master’s studies in mathematics, physics, or computer science. Candidates should demonstrate a good knowledge of mathematical and functional analysis as well as partial differential equations.

Required documents:

1. Curriculum vitae.
2. Statement of research interests.
3. Description of scientific achievements, awards, and distinctions.
4. List of publications, conference talks, and seminar presentations.

To ensure full consideration, the above documents should be sent by **October 24, 2025** to jmederski@impan.pl. The results of the competition will be announced no later than October 31, 2025.

During the recruitment process, the competition committee reserves the right to conduct interviews (via teleconference) only with selected candidates. The scholarship will be awarded in accordance with the regulations available in the Annex to NCN Council Resolution No. 25/2024 of March 4, 2024.

Deputy Director
for Scientific Matters
Institute of Mathematics of PAS

Signed by /
Podpisano przez:

Piotr Wojciech
Nowak

Date / Data:
2025-10-03 15:26

Dr. hab. Piotr Nowak