



Student scholarship which is a part of the grant NCN SONATA BIS
Nonlinear equations involving the curl-curl operator

It is expected that the student will actively conduct research in the area of nonlinear curl-curl problems, which are motivated by nonlinear Maxwell equations and the Born-Infeld theory.

Qualifications: Graduate student of mathematics, physics or computer science. The candidates should demonstrate good knowledge of mathematical analysis, functional analysis and partial differential equations.

Work conditions:

- Scholarship contract for 9 months starting from November 1, 2022, with a possibility of extension. The condition for receiving the scholarship is to be a student of graduate studies in Poland (at least fourth year of 5-years program, or studies after bachelor's degree – see details in the Annex to the Council Resolution NCN 96/2016 of October 27, 2016.
- Scholarship **3000 PLN** per month. The amount 3000 PLN is tax-free and paid in full.
- For additional information please contact the grant director dr hab. Jarosław Mederski, prof. IM PAN, email: jmederski@impan.pl.

Required application documents:

- CV.
- **Scientific achievements:** e.g. awards and distinctions, talks during conferences and seminars (if possible), documented grades in analytical subjects. It could be included in CV.

For full consideration, the above documents should be sent by **October 14, 2022** to jmederski@impan.pl. The competition results will be announced as soon as possible, but on October 31, 2022 at the latest.

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 Resolution NCN 96/2016 of October 27, 2016 https://ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2016/uchwala96_2016-zal1.pdf