



Poznań, January 16, 2023

Scholarship for master student

theoretical and numerical studies on magnons and fluxons in hybrid nanostructures

The scholarship is financed by the National Science Center - Poland in the framework of the project:

FluMag: Low-loss current- and flux quanta-controlled magnonics,

led by przez Prof. Jarosław W. Kłos

A scholarship of PLN 1,000 for a recruited student will be paid for 6 months to carry out the research tasks of the project.

The project will focus on research at the border of magnonics and superconductivity. The work performed by the master's student will be theoretical and numerical and is going to concern the hybrid systems: ferromagnet-superconductor, where the spin wave dynamics of the ferromagnet is coupled to the dynamics of edgy currents in a superconductor. More information about the project can be found at: <https://isik.amu.edu.pl/flumag/>.

Basic requirements for applicants:

- a bachelor's (or engineering) degree in physics, technical physics, materials science engineering, or a related field,
- motivation to conduct scientific research and solve technical and programming problems,
- good programming skills (knowledge of Python preferred),
- knowledge of English at a communicative level.

The application includes:

- cover letter,
- CV,
- a copy of the diploma of completion of the first degree of studies,
- information about scientific activity (publications, participation in schools and conferences, internships, activities in scientific clubs and associations) and professional activities
- consent to the processing of personal data as follows:

in accordance with Article 6 (1) (a) of the General Data Protection Regulation of 27 April 2016. (OJ EU L 119/1 of 4 May 2016) I consent to the processing of personal data other than first name, (first names) and surname; parents' first names; date of birth; place of residence (mailing address); education; previous employment history, included in my job offer for the purpose of the current recruitment.

should be sent by January 31, 2023, as a single pdf file (up to 10 megabytes in size) to the following email address: klos@amu.edu.pl. **Interviews with selected candidates will be held on February 1, 2023, at the Department of Physics of Nanostructures at the Faculty of Physics of the Adam Mickiewicz University or remotely via Skype. Candidates will be notified of the final result of the recruitment on February 1, 2023.**

Recruitment will take place in accordance with the regulations of the National Science Center - Poland.