



Poznań, December 23, 2021

**Institute of Spintronics and Quantum Information,
Faculty of Physics, Adam Mickiewicz University, Poznań**

<https://isik.amu.edu.pl>

announces a call for the post-doc position. The position is financed by the National Science Center of Poland as a part of the OPUS-19 call for the research project: “*New platform for study wave phenomenon – reconfigurable topological properties and frustrated ground states in magnonics*”, no 2020/37/B/ST3/03936, coordinated by prof. Maciej Krawczyk.

The position is addressed to a researcher possessing PhD degree not longer than 7 years and interested in theoretical studies, and numerical simulations in the area of spin-wave dynamics in ferromagnetic nanostructures.

Requirements:

- Research experience in numerical modeling and/or developing analytical models in solid state physics or electromagnetism, in particular in the area of magnetism;
- Very good publication track record in the relevant areas;
- High motivation to work, independence, and good organization of work;
- Ability to work in an international team.

According to the NCN rule, the PhD degree has to be awarded by another institution than AMU.

Task description:

Performing micromagnetic simulations and/or use of the analytical models for description of the remagnetization process and spin-wave dynamics in the antidot lattices (ADLs) based on perpendicular magnetic anisotropy (PMA) thin films with inhomogeneous magnetization.

Writing the manuscripts and supervising of the PhD and master students.

Project type: NCN OPUS-19 – ST3.

Deadline for application submission: January 30, 2022, 23:59 (CET).

Submission form: email to krawczyk@amu.edu.pl.

Scholarship conditions:

- Duration: 12 months (with possible prolongation for the next 24 months);
- Form of employment: contract;
- Financing amount: PLN 10,000 per month (brutto-brutto);
- Starting date: 01.03.2022.

Candidates are asked to send an application consisting of:

- confirmation of the PhD degree;
- an application with a cover letter in Polish or English;

- the reference letter from the experienced researcher;
- a resume\CV containing information on the previous education, publications, participation in research projects, internships, scholarships, awards, and a short description of the best research achievements of the candidate.

The application or questions should be sent to the project coordinator by an email to prof. Maciej Krawczyk [krawczyk@amu.edu.pl]. Selected persons may be invited for a remote interview.

The competition will end once a suitable candidate has been found.

The candidate is required to place in CV the following agreement:

“In accordance with Article 6(1)(a) of the General Data Protection Regulation of 27 April 2016 (Journal of Laws of the EU L 119/1 of 4 May 2016) I agree to the processing of personal data other than those indicated in Article 221 of the Labour Code (name(s) and surname; parents' names; date of birth; place of residence; address for correspondence; education; previous employment), included in my job offer for the purpose of the current recruitment.”