



COMPETITION FOR ASSISTANT PROFESSOR (IN POLISH: ADIUNKT) POSITION AT THE ILTSR PAS IN THE DIVISION OF OPTICAL SPECTROSCOPY

Institution: Institute of Low Temperature and Structure Research, PAS

City: **Wrocław**

Position: **assistant professor (in Polish: adiunkt)**

Discipline: chemical science, physical science

Posted: **14.01.2025**

Expires: **14.02.2025**

Date of the contest settlement: **21.02.2025**

Planned start date of employment: **1.04.2025**

Website: <https://www.intibs.pl/en/>

Key words: **hybrid organic-inorganic compounds, perovskites, lead halides, spectroscopy**

The Institute of Low Temperature and Structural Research of the Polish Academy of Sciences in Wrocław announces a competition to fill the position of assistant professor (in Polish: adiunkt) position at the ILTSR PAS in the Division Optical Spectroscopy contractor of the research project entitled „**Synteza, dynamika sieci oraz przestrajalne właściwości ferroelektryczne i optyczne wielowarstwowych perowskitów hybrydowych**” (“**Synthesis, lattice dynamics and tunable ferroelectric and optical properties of multilayered hybrid perovskites**”), carried out on behalf of the National Science Centre (NCN, grant. No. 2023/49/B/ST5/00119) in the Department of Optical Spectroscopy.

The contract will be concluded on a full-time basis for the period of 24 months. The remuneration under the contract will amount to approx. 9500 PLN gross (approx. 7000 PLN net). Detailed employment conditions will be specified in the employment contract concluded between the employed person and the Director of INTIBS PAN.

Project description

The aim of the project is synthesis and characterization of novel Ruddlesden-Popper and Dion-Jacobson lead halides for optoelectronic applications.

Tasks description

Growth of lead halide single crystals

Temperature-dependent Raman and IR studies of phonon properties of the grown crystals

Analysis of the obtained results, preparation of reports on the conducted research, preparation of scientific publications

Requirements

The candidate must meet the requirements specified in the competition documentation for NCN projects edition 15.03.2023 (Project Regulations) posted on https://www.ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2023/uchwala23_2023-zal1.pdf and should:

- have a doctoral degree in chemical science, physical science or related doctor degree obtained after January 1st 2018
In accordance with the requirements of the National Science Center, only a person may be admitted which obtained a doctoral degree in the year of employment or within 7 years before year of the employment in the project as well as the other requirements of the above mentioned documentation (details are included in the above-mentioned Project Regulations);
- have good knowledge of English;
- have expertise in inorganic chemistry and solid state spectroscopy;
- have experience in the synthesis of organic-inorganic compounds;
- have experience in studies of phonon properties of solids;
- possess qualities such as ability to work in a team, communication skills, motivation for research;
- be ready to start work from 1.04.2025 (formal steps related to residence and work permit in Poland should be taken into account);

List of documents required from the candidate:

A candidate entering the competition should submit:

1. A diploma or a copy of the diploma in English or Polish (if in another language, an English translation must also be attached) confirming completion of the doctoral degree. If the diploma was obtained abroad, the candidate will be required to provide a legalised or apostilled original of the diploma before starting employment at the Institute (otherwise it will not be possible to conclude an employment contract). In the case of a degree obtained abroad which is not recognised in Poland on the basis of international agreements, the candidate will apply to the Institute for its nostrification. Information on nostrification can be found at the following link: https://nawa.gov.pl/images/users/642/Nostrification-of-academic-degrees_1.pdf
2. An application for employment addressed to the Director of the Institute containing the following clause: " I agree for processing my personal data enclosed in my documents for the needs necessary of the recruitment (in accordance with art. 6 par. 1 lit. A of the General Regulation of the European Parliament and of the Council (EU) 2016/679 of 27 April 2016 on the protection of individuals with regard to the processing of personal data and the repeal of Directive 95/46 / EC and the Act of 10 May 2018 on protection of personal data (Journal of Laws 2018 item 1000)".
3. Scientific Curriculum Vitae, containing information about the scientific career (education and employment), as well as information on participation in conferences, internships, projects, awards and distinctions, skills and knowledge of foreign languages.
4. List of publications.

When signing the contract, the candidate will be required to submit an **authorization to be included** in the number of employees engaged in the scientific activity at the Institute, as well as to provide declarations that the publications arising from the project are part of the scientific output of the Institute.

Complete documents should be submitted in electronic version via the e-mail address:
m.maczka@intibs.pl by 14.02.2025

Selected candidates may be invited for an interview.

Additional information

For more information, please contact the project manager with questions prof. Mirosław Mączka
(m.maczka@intibs.pl)

The competition will be conducted in accordance with the competition documentation of the National Science Center (NSC) applicable to the project.

Personal information:

Your personal data is collected and processed by the Institute of Low Temperature and Structural Research of the Polish Academy of Sciences in Wrocław in accordance with the information on personal data processing available at <https://bip.intibs.pl/artykuly/rodo-1>