NCN SONATA-21
"Plasma state classification and abnormal event detection in nuclear fusion devices with Symmetrized Dot Pattern and Machine Learning applied to time series of tokamak plasma radiation measurements" Project Manager Dr. Agnieszka Jardin announces a competition for the position of a scholarship holder

INSTITUTION:	Sylwester Kaliski Institute of Plasma Physics and Laser Microfusion
ADDRESS:	Hery 23, 01-497 Warsaw
POSITION:	Scholarship holder
ANNOUNCEMENT NUMBER:	7/ZBPTiTK/2026
SCIENTIFIC DISCIPLINE:	Physical Sciences
ANNOUNCEMENT DATE:	**18.11.2026**
DEADLINE FOR SUBMISSION OF BIDS:	**04.12.2026**
WEBSITE LINK:	http://www.ifpilm.pl
KEYWORDS:	physics, programming, machine learning
DATE OF DECISION:	**10.12.2026**

DESCRIPTION:

The scholarship holder will take part in the NCN SONATA-21 research project "Plasma state classification and abnormal event detection in nuclear fusion devices with Symmetrized Dot Pattern and Machine Learning applied to time series of tokamak plasma radiation measurements".
Scholarships are awarded on the basis of the Regulations for awarding NCN scholarships in research projects funded by the National Science Centre, which are annexed to Resolution No 25/2024 of the NCN Council of 4 March 2024.
An applicant for the scholarship is expected to possess:

- Basic knowledge of plasma physics.
- Practical knowledge of programming languages and IT tools used in data analysis (e.g. Matlab, Python, C++).
- Practical skills in database creation, data management and scientific programming.
- Knowledge of spoken and written English, enabling communication in an international team and familiarization with scientific literature.

IPPLM offers:

- The candidate will receive a scholarship of **PLN 4,875 gross** for a period **of 12 months** on the basis of the Scholarship Agreement.
- The project provides for visits and consultations at the WEST center in France and participation in scientific conferences.
- The work will take place in a team bringing together both experienced and young scientists (including PhD students).
- The participant will be able to improve their qualifications and develop scientifically.

- Scientific cooperation will be carried out in important scientific centers in Poland and abroad.
- Possibility of partial remote work.

For more information, please contact the Project Manager: Dr Agnieszka Jardin agnieszka.jardin@ifpilm.pl
Possibility to start from **1 January 2027.**

A person applying for the position of a scholarship holder should meet the following criteria:

1. Student of second-cycle studies or long-cycle master's studies in physics or related fields (computer science, astronomy, or mathematics) carried out at universities in Polish.
1. Enjoying full public rights.
2. Knowledge of English to the extent that allows him to use professional literature and communicate in a professional environment.
3. Basic knowledge in the field of physics, especially knowledge of plasma physics and its diagnostics is welcome.
4. Knowledge of the programming languages that will be used to create and implement machine learning algorithms.

A person applying for employment for the position of a researcher should submit the following documents and letters:

1. A CV with a description of education, internships, scholarships, participation in research projects, a list of possible publications and conference speeches, and other scientific activity.
2. Cover letter.
3. A document confirming participation in second-cycle studies or participation in long-cycle master's studies.
4. A personal questionnaire with a Statement of consent to the processing of personal data for recruitment purposes.

The selection will be made by the Scholarship Committee appointed by the Director of the Sylwester Kaliski Institute of Plasma Physics and Laser Microfusion composed of: two IPPLM employees indicated by the Project Manager with appropriate scientific or professional qualifications, and the Project Manager as the Chairman.

Templates of declarations and commitments can be downloaded from the website:
https://www.ifpilm.pl/praca-w-instytucie/957-wzory-oswiadczen-oraz-zobowiazania.

The scholarship committee may ask the scholarship applicant to submit additional materials concerning his/her qualifications and scientific achievements.

A scholarship applicant may submit to the Committee other additional materials attesting to qualifications, scientific achievements and information about interests not related to the research specified in the call notice.

Documents submitted by a person applying for a scholarship to the IPPLM will not be returned. The Committee reserves the right to contact selected persons.

DOCUMENTS should be submitted by **December 4, 2026 at 2:00 p.m. at the Sylwester Kaliski Institute of Plasma Physics and Laser Microfusion (secretariat), 23 Hery Street, 01-497 Warsaw** with a note on the envelope: **"Competition for the position of scholarship holder No. 7/ZBPTiTK/2026"** or sent by e-mail to the following address: sekretariat@ifpilm.pl with the subject line " **Competition for the position of scholarship holder No. 7/ZBPTiTK/2026"** tag.