

INSTITUTION: National Centre For Nuclear Research (NCBJ)

CITY: Warsaw

POSITION: **student scholarship – support for the management of high-sensitivity camera facilities in desert**

DISCIPLINE: astronomy, physics

POSTED: 23.08.2024

EXPIRES: 09.09.2024

WEBSITE: <https://www.ncbj.gov.pl/en/praca/student-scholarships-support-management-high-sensitivity-camera-facilities-desert>

KEY WORDS: Astronomy, Astrophysics,

The National Centre for Nuclear Research (NCBJ) in Warsaw invites applications for student scholarship in the OPUS19 project 2020/37/B/ST9/01821, financed by the National Science Centre (NCN) - the project, titled "Search for macroscopic dark matter with ground-based and space-based high sensitivity cameras,"

The scholarship amounts are determined based on the NCN Regulation, depending on the candidate's experience and assigned tasks.

Project's description:

Selected candidates will join the activities for the DIMS (Dark Matter and Interstellar Meteoroid Study) experiment under the OPUS 19 project, "Search for macroscopic dark matter with high-sensitivity ground-based and space-based cameras" (2020/37/B/ST9/01821), financed by the National Science Centre (NCN). The main task involves managing a large amount of data by remotely connecting to the DIMS facilities located at the Telescope Array observatory in Utah, USA. Scholarship holders will share this shift with NCBJ staff, and the shift schedule will consider the scholarship holders' lectures and academic duties at their universities.

This call does not intend to offer thesis topics. Provided that the primary tasks are performed adequately, we offer opportunities to participate in data analysis activities related to this project. Participation in discussion with NCBJ staff is also encouraged in developing future research topics.

The project is expected to conclude no later than March 2025.

Description of tasks:

- Remote controlling the status of the remotely operated observation facility.
- Active participation in the data storage management.
- Acquiring fundamental principles related to the facility and its operation.
- Assisting with or fully participating in the analysis of data obtained from the project.
- Engaging in scientific discussions with NCBJ staff.

Requirements for the candidate:

- Student status in accordance with the NCN Regulations Article 3 Paragraph 3 (https://www.ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2019/uchwala25_2019-zal1_ang.pdf)
- English skills for communication with international team.

Additional assets:

- Experiences in data analysis or expiration of the experiment in astronomy or high energy astrophysics

Required documents:

- Cover letter with e-mail address
- Curriculum Vitae including the descriptions of the current academic activities in university and the academic experiences and achievement (the information in accordance with the Regulations of the NCN, Section 3, Paragraph 12 (candidate's scientific achievements, including list of publications, scientific achievements, scholarships, awards, and scientific experience gained in the country or abroad, scientific workshops and training, participation in research projects, competencies for carrying out specific tasks in a research project) if applicable
- Any additional documents that may be relevant for the evaluation such as contact details of a reference person, etc.

Contact: dr Kenji Shinozaki kenji.shinozaki@ncbj.gov.pl

Applications in electronic form should be submitted in English to: Dorota.Dobrowolska@ncbj.gov.pl - The subject of application e-mails should be „student scholarship OPUS19” and the name and surname of the applicant.



Additional comments:

Submitted documents will not be returned. We will contact selected candidates.

Information in accordance with Article 13 RODO on the processing of personal data:

1. The Personal Data Controller of your personal data is the National Centre for Nuclear Research (hereinafter referred to as Controller or NCBJ) with its registered office in Otwock, 7 Andrzej Sołtan Street, 05-400 Otwock.
2. Your personal data will be processed for recruitment purposes on the basis of applicable law, including the Labour Code. Data not required by law, provided by you in your documents, will be processed on the basis of your consent. Your consent is given by the transfer of this data.
3. The full content of the information clause of Article 13 RODO is available at <https://www.ncbj.gov.pl/en/information-clause-personal-data-processing>



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