



Narodowe Centrum Badań Jądrowych
National Centre for Nuclear Research
ŚWIERK

INSTITUTION: National Centre For Nuclear Research (NCBJ)

CITY: Otwock - Świerk

POSITION: **Research-technical specialist (neutron physics, new nuclear technologies)** in the Laboratory of Nuclear Energy and Environmental Studies (UZ3) of the Department of Complex Systems

DISCIPLINE: neutron physics, new nuclear technologies

POSTED: 30.03.2022

EXPIRES: 14.04.2022

WEBSITE: <https://www.ncbj.gov.pl/en/praca/research-technical-specialist-neutron-physics-new-nuclear-technologies-duz-uz3>

KEY WORDS: neutron physics, new nuclear technologies

Currently, we are looking for a person for a position of:

Research-technical specialist (neutron physics, new nuclear technologies)
in the Laboratory of Nuclear Energy and Environmental Studies (UZ3) of the
Department of Complex Systems

Localization: Otwock - Świerk - in the outskirts of Warsaw with daily transport services provided.

Job/tasks description:

- Active participation in the work of teams dealing with neutron calculations for various configurations of nuclear reactor cores
- Work on creating core designs and associated equipment for new generation of nuclear reactors
- Joining the work of design teams creating the technical documentation of the High-Temperature Gas-Cooled Reactor (HTGR)
- Preparation of materials for scientific articles and conference presentations
- Analytical work in the field of NCBJ activity: creating documents and substantive materials (reports, presentations, notes) and organizational (reports, reports, etc.), translations
- Performing other activities ordered by the Laboratory head and other superiors at NCBJ
- Performing duties in accordance with the Work Regulations in force at the Institute
- Compliance with state and official secrets, work discipline, health and safety regulations, fire regulations, rules of protection against ionizing radiation

Adres:
ul. A. Sołtana 7
05-400 Otwock

+48 22 273 10 01
+48 22 779 34 81
ncbj@ncbj.gov.pl

KRS: 0000171393
NIP: 532-010-01-25
www.ncbj.gov.pl



Requirements:

- Minimum 3 years of experience in the research profile related to nuclear energy
- Ability to perform neutron calculations using SERPENT, SCALE codes etc.
- Knowledge of the Python programming language and the Octave / Matlab environment
- Experience in thermal-flow calculations using Cathare-2 code and coupled calculations
- Highly developed communication skills and the ability to work in a team
- Very good command of the English language (minimum B2)
- Willingness to present the results at meetings and seminars
- The ability to present results in the form of technical reports and scientific publications

We appreciate:

- Holding a PhD in science or technology
- Scientific achievements in the form of publications and conference materials
- Experience in the implementation of research and technical projects
- Experience in obtaining grants / R & D & I projects

What we offer:

- work in one of the fastest growing institutes in Poland (according to Diament Forbes 2021),
- stable employment with a competitive salary,
- good and friendly working atmosphere in an experienced team,
- possibility of development and improvement of professional and scientific qualifications,
- interesting and important tasks in the field of calculating the core of nuclear reactors, including new generation reactors
- additional annual salary and other social security benefits,
- Company transport from Warsaw to Świerk and backwards (<https://bus.swierk.pl/rozklad-jazdy/>),
- health service at NCBJ (basic medical care).
- Interesting and important tasks in the field of calculating the core of nuclear reactors, including new generation reactors.

Contact: prof. Mariusz Dąbrowski, mariusz.dabrowski@ncbj.gov.pl, tel. 22 273 14 30

All applications should be sent by e-mail to: mariusz.dabrowski@ncbj.gov.pl

As an attachment to your application please sign and enclose the following declarations:

I agree for my personal data included in the application documents to be processed by National Centre for Nuclear Research with its registered office in Otwock, 7 Andrzej Sołtan Street, 05-420 Otwock, for a period of 12 months from their submission, in order to carry out future recruitment processes.

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.

Adres:
ul. A. Sołtana 7
05-400 Otwock

+48 22 273 10 01
+48 22 779 34 81
ncbj@ncbj.gov.pl

KRS: 0000171393
NIP: 532-010-01-25
www.ncbj.gov.pl



Narodowe Centrum Badań Jądrowych
National Centre for Nuclear Research
ŚWIERK

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>



HR EXCELLENCE IN RESEARCH

*The National Centre for Nuclear Research is awarded by “**HR Excellence in Research**”. Recruitment is based on OTM-R system (Open, Transparent and Merit-based recruitment practices in Research Performing Organisations).*

Adres:
ul. A. Sołtana 7
05-400 Otwock

+48 22 273 10 01
+48 22 779 34 81
ncbj@ncbj.gov.pl

KRS: 0000171393
NIP: 532-010-01-25
www.ncbj.gov.pl