Narodowe Centrum Badań Jądrowych
National Centre for Nuclear Research
ŚWIERK

INSTITUTION National Centre for Nuclear Research

CITY Otwock-Świerk

POSITION Professor

DISCIPLINE Environmental Engineering, Mining and Power Engineering

POSTED 16.02.2026

EXPIRES 09.03.2026

WEBSITE https://www.ncbj.gov.pl/en/praca/professor-uz3490

KEY WORDS nuclear reactors, thermal-hydraulics, nuclear safety

DESCRIPTION (field, expectations, comments):

The National Centre for Nuclear Research opens the competition for the position of

Professor (UZ3_490)

Localization: Otwock-Świerk

Description of tasks:

- Initiating, conducting and supervising research and development works in the field of heat transfer in nuclear installations, thermal-hydraulic safety analyses, fluid mechanics and high-fidelity CFD calculations.
- Initiating conducting activities and shaping the development of young academic staff, supervision over doctoral students and lecturing for the doctoral studies.
- Initiating and organizing scientific activity (seminars, mini-symposiums, etc.) in the field of thermal-hydraulic safety analyses of nuclear reactors. In particular, managing scientific and commercial projects in this area.
- Initiating and further coordinating new scientific, research and development, and practical projects in the field of safety analyses of reactor technologies.
- Preparation of new research papers and conference presentations in the field of environmental engineering and safety analyses.
- 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.

Narodowe Centrum Badań Jądrowych
National Centre for Nuclear Research
ŚWIERK

Requirements for the candidate:

- Scientific title of a professor in the discipline of environmental engineering, mining, and energy or equivalent.
- Significant scientific achievements documented by numerous publications and citations in the fields of nuclear reactor technology (Generation III and IV), deterministic safety analyses (thermalhydraulics), and environmental engineering.
- Experience in comprehensive deterministic nuclear safety analyses (DSA).
- Experience in the implementation of research and research and development projects.
- Experience in obtaining and leading the grants and R & D & I projects.
- Significant international activity in the area of safety and reliability of nuclear facilities, including membership in international institutions and associations and representing the country or holding leadership positions in international bodies.
- Proven collaboration in international research teams in the field of probabilistic analyses of the safety and reliability of nuclear facilities.

Additional requirements:

- Teaching experience documented by lectures at the second and third cycle levels and supervision of doctoral students.
- Practical experience working on power plants or other nuclear facilities.
- Skills in nuclear installation design.
- Experience in collaborating with nuclear regulatory authorities on the safety of nuclear facilities.
- Proven experience in issues related to energy transition and various energy sources in general.

Required documents:

- CV with a clause: "I consent to the processing of my personal data contained in my job application for the purposes necessary to carry out the recruitment process"
- A scan/ copy of degree diploma
- Full publication list
- A list of 2 reference persons including their positions and contact details (e-mail address)
- A brief description of important scientific achievements and scientific outlook (max. 2 pp)
- Research plans
- Cover letter (1 page)
- Any other possible documents that might influence the assessment.

Narodowe Centrum Badań Jądrowych
National Centre for Nuclear Research
ŚWIERK

We offer:

- Employment in one of the largest research Institute in Poland
- Good learning environment. Support of an experienced team
- External and internal trainings in hard and soft skills as well as participation in conferences
- Personal and professional development with diverse range of tasks and challenges
- Stable working conditions without overtimes and friendly atmosphere
- Working with cutting edge technology at one of the largest supercomputer centers in Poland

Contact:

- prof. dr hab. Mariusz Dąbrowski, email: Mariusz.Dabrowski@ncbj.gov.pl

The application documents in electronic form should be sent to:
Mariusz.Dabrowski@ncbj.gov.pl

As an attachment to your application please sign & 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.

Others information:
We reserve the right to contact only selected candidates & the right to inform about the decision to fill the post only to the selected candidate.

At NCBJ there is the internal procedure for the report of breaches of law. Anyone interested in its content can access it at any time on the website: https://www.ncbj.gov.pl/sites/default/files/prasa/INTERNAL%20NOTIFICATION%20PROCEDURE.pdf

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.

Narodowe Centrum Badań Jądrowych
National Centre for Nuclear Research
ŚWIERK

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).