

INSTITUTION: National Centre For Nuclear Research (NCBJ)

CITY: Otwock - Świerk

POSITION: **Assistant Professor position (specialist of mechanical tests)**  
at Material Research Laboratory

DISCIPLINE: physics

POSTED: 05.01.2023

EXPIRES: 26.01.2023

WEBSITE: <https://www.ncbj.gov.pl/en/praca/assistant-professor-specialist-mechanical-tests-lbm-0>

KEY WORDS: physics, material science

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The National Centre for Nuclear Research opens a competition for

**Assistant Professor position (specialist of mechanical tests)  
at Material Research Laboratory**

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

**Job/tasks description:**

- work in a mechanical research laboratory, conducting measurements at a wide temperature range (depending on the research technique);
- work on equipment such as a universal testing machine, Charpy pendulum, hardness testers;
- conducting tests of mechanical properties implementing following methods: static tensile tests, Charpy impact tests, hardness measurements by Vickers, Brinnell, and Rockwell methods and fracture toughness tests;
- training other employees in the field of mechanical testing of all the research as mentioned above methods;
- maintenance of metrological control on equipment;
- participation in tests ensuring the quality of results, proficiency tests, and inter-laboratory comparisons (PT/ILC) – work in the accredited area of MRL;
- updating legal and normative knowledge;
- cooperation with other research groups MRL and NCBJ;
- preparation of scientific publications and grant applications.

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**Requirements:**

- Ph.D. in technical sciences or related disciplines (materials engineering, mechanics, and machine construction);
- experience in laboratory work, min. seven years;
- experience in working in the accredited area, min. five years;
- experience in the field of designing and conducting mechanical/technological research
- experience in working with active materials (neutron irradiated), studies conducted in the Hot Cells;
- analytical skills – conducting research that includes several different techniques and analyzing obtained structural and mechanical data;
- knowledge of sampling and sample preparation methods;
- preparation of reports in Polish and/or English;
- fluent spoken and written English;
- communicativeness, regularity, and good organization of work;
- Ability to work as a member of a team;
- Being open for new tasks and challenges;

**Supporting experience:**

- published scientific papers (at least 10) related to the mechanical properties of metals and alloys (specially related to nuclear industry);
- knowledge of the influence of radiation defects on the functional properties of materials;
- knowledge of other measurement techniques, e.g., XRD, SEM / EDS / EBSD, AFM, Raman spectroscopy or TEM – documented with publications;
- experience in working with students (didactic skills);
- experience in the preparation of samples using precision cutting and polishing machines, eg. EDM;

**Documents required:**

- a copy of the diploma confirming obtaining PhD degree
- curriculum vitae
- list of scientific publications
- self-presentation, containing a description of the candidate's scientific achievements, along with a list of publications, patents and implementations, description of other achievements (conference presentations, internships, etc.)
- any other possible documents that may affect the assessment,

**Contact:** [lukasz.kurpaska@ncbj.gov.pl](mailto:lukasz.kurpaska@ncbj.gov.pl)

All applications should be sent by e-mail to: [magdalena.jedrkiewicz@ncbj.gov.pl](mailto:magdalena.jedrkiewicz@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 Sołtana 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 and the right to inform about the decision to fill the post only to the selected candidate.

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

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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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*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).*