

**Faculty of Fundamental Problems of Technology,
Wrocław University of Science and Technology**
announces a competition for a position of
adiunkt (research and teaching, full time)
at the Department of Semiconductor Materials Engineering

Reference no: K66W11D11/37/2024

Field: natural science

Discipline: physical science

Specialty: materials physics

Type of contract: contract of employment

Position profile: R2

Job description:

The candidate is expected to conduct scientific research in the broadly understood field of biomedical engineering and publish the results, actively seek grants, conduct teaching activities for students in this field with dedication, and engage in the organizational work of the Department and the Faculty.

The scope of the scientific topics includes issues related to new semiconductor materials such as perovskites, van der Waals crystals and hybrid structures based on these materials and III-V semiconductors, with particular emphasis on the calculations of the electronic band structure and the energy of point defect formation in such materials within the framework of the density functional theory.

Tasks:

- Conducting scientific research in accordance with the research profile specified in the position description.
- Teaching activities in the field of computational methods in physics, calculations from first principles, general physics.
- Collaboration with external institutions, including foreign entities, in the scope of ongoing scientific and research work.
- Continuous professional development.
- Preparation of grant applications.
- Performing tasks assigned by superiors for the Department, Faculty, and University related to research and teaching activities.

Requirements:

- A doctoral degree in the field of physical science
- Significant scientific achievements, demonstrated by articles published in peer-reviewed international scientific journals within the last five years, in the field of solid state physics with particular emphasis on calculations from first principles,
- Teaching competence in the field of general physics, computational methods and programming,
- Proficiency in both spoken and written Polish and English.

Required documents (electronic version):

1. Application for entering the competition addressed to the Rector, containing the candidate's e-mail address and the competition reference number,
<https://wppt.pwr.edu.pl/pracownicy/konkursy>

2. Questionnaire for the person applying for employment, <https://wppt.pwr.edu.pl/pracownicy/konkursy>
3. A copy of the document confirming obtaining the degree;
4. Reference letter of the academic supervisor, research group leader or head of department/institute; the letter may be sent directly to the Dean of the Faculty of Fundamental Problems of Technology in electronic form to the address wppt.konkursy@pwr.edu.pl.
5. Self-report in the form of a single PDF file, containing information on research achievements, teaching experience, and organizational activities:
 - education, previous employment, scientific degrees and professional titles obtained,
 - brief description of the most important scientific achievements,
 - list of publications from the last five years, with the scores of the Ministry of Science and Higher Education (According to the latest list, <https://wykazy.net.pl/search.php>),
 - total number of citations excluding self-citations and the Hirsch index (according to Web of Science or SCOPUS),
 - list of scientific grants with an indication of the candidate's role,
 - list of scholarships and awards granted via an open competition,
 - experience in scientific supervision,
 - information on academic and professional internships of at least 1 month,
 - information on teaching achievements and competences,
 - information on further scientific plans in the context of the activities of the Department of Semiconductor Materials Engineering of the Faculty of Fundamental Problems of Technology, Wrocław University of Science and Technology,
6. Statement on having read the information regarding the processing of personal data, <https://wppt.pwr.edu.pl/pracownicy/konkursy>,
7. Statement on meeting the requirements set out in Art. 113 of the Act of July 20, 2018. Law on Higher Education and Science, <https://wppt.pwr.edu.pl/pracownicy/konkursy>,
8. Declaration of the Candidate that in the case of winning the competition, Wrocław University of Science and Technology will be the primary place of work, <https://wppt.pwr.edu.pl/pracownicy/konkursy>.

We offer:

- Employment at a prestigious University,
- Working in a world-class scientific environment and laboratory complex,
- Opportunities to implement research plans, support in obtaining research grants, facilitation of scientific internships,
- The opportunity for continuous skill improvement,
- Support for further career advancement, including obtaining academic degrees and titles
- Attractive incentive programs, including financial bonuses for scientific efficiency, significant teaching discounts for scientists carrying out research projects,
- Social support; availability of attractive medical care packages dedicated to Wrocław University of Science and Technology employees.

Dates:

Deadline for submitting applications: 23 October 2024,

Approximate date of decision: 13 November 2024

Planned date of employment: 1 December 2024

Salary:

The salary consists of the basic salary, a seniority bonus of 1% for each year of service, and 4% for completing doctoral studies. Additional bonuses are provided for scientific and research work efficiency, an extra annual bonus equivalent to one month's salary, and potential supplements for organizational involvement.

We offer a basic salary of no less than 7600zł.

Additional information:

The competition is open to candidates who meet the conditions set forth in the Act of 20 July 2018 - Law on Higher Education and Science (Journal of Laws 2022, item 574, as amended), in the Statute of Wrocław University of Science and Technology and in the Code of Ethics Employees of the Wrocław University of Science and Technology.

Before establishing an employment relationship with the person who wins the competition, Wrocław University of Science and Technology will conduct a verification in accordance with the provisions of the Act of May 13, 2016, on preventing threats related to sexual crimes and protecting minors. The data necessary for this verification (PESEL number, or in its absence, maiden name, father's name, mother's name, and date of birth) will be obtained solely from the selected individual and should not be provided during the application stage.

Submission of documents only by email to: wppt.konkursy@pwr.edu.pl.

All correspondence related to the competition will be sent electronically to the e-mail address provided in the application.

Templates of documents/statements to be submitted along with the application can be found at: <https://wppt.pwr.edu.pl/pracownicy/konkursy>

In the title of the message, please indicate the reference number of the competition. Applications without indicating a specific reference number and those sent after the deadline for submission of offers will not be considered.

For any information about the competition please contact the HR assistant at: wppt.konkursy@pwr.edu.pl.

Applications of candidates will be considered by the competition committee.

Stage I. Evaluation of candidates on the base of submitted documentation in the categories:

- Scientific activities (weight 70%),
- Teaching activities (weight 20%),
- Organizational activities (weight 10%)

Stage II. An interview including the presentation of previous scientific activity and planned scientific research. Candidates selected based on the first stage of evaluation are invited to the interview.

The final grade in each category is determined by the committee taking into account the interview process.

The University stipulates that the competition may be unresolved without giving reasons.

Recruitments and competitions conducted by Wrocław University of Science and Technology are open, carried out in accordance with clear and transparent rules based on clear and unambiguous criteria of substantive evaluation, taking into account a diverse professional career. Wrocław University of Science and Technology conducts recruitment procedures in accordance with the guidelines of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers and the Open, Transparent and Merit-based Recruitment Policy (OTM-R) at Wrocław University of Science and Technology.

Recruitments and competitions conducted by Wrocław University of Technology and Science are conducted taking into account the policy of equal opportunities in accordance with the “Equality plan for Wrocław University of Science and Technology for the period 2022–2024”

<https://rowna.pwr.edu.pl/en/>