

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

**Reference no: K66W11D11/38/2023**

**Field: natural sciences**

**Discipline: physical sciences**

**Specialty: physics of semiconductors**

**Type of contract: contract of employment**

**Position profile: R2**

**Job description:**

The candidate is expected to conduct scientific research and publish the results, apply for research grants, engage in teaching activities, participate in the organizational work of the Department of Semiconductor Materials Engineering and the Faculty. Scientific topics include issues in the field of semiconductor materials engineering, in accordance with the scientific profile of the Department of Semiconductor Materials Engineering at the Faculty of Fundamental Problems of Technology, in particular optical spectroscopy of semiconductor materials such as van der Waals crystals, perovskites and hybrid structures based on standard group III-V semiconductors with van der Waals crystals and perovskites.

**Tasks:**

- scientific research in accordance with the research profile specified in the job description,
- teaching in the field of basic physics (exercises and laboratories), specialized laboratories and project classes on *solid state physics and semiconductor physics*,
- scientific cooperation with external institutions,
- improving the professional qualifications,
- applying for research grants,
- participation in organizational works of the Department of Semiconductor Materials Engineering, Faculty and University, related to the research and teaching activities.

**Requirements:**

- PhD degree in the field of natural sciences and discipline of physical sciences,
- significant scientific achievements, confirmed by articles published in peer-reviewed international scientific journals within the last five years, related in particular to optical spectroscopy of semiconductors, including van der Waals crystals, perovskites and hybrid structures based on these materials,
- teaching competence in the field of basic physics (exercises and laboratories),
- good knowledge of Polish and English in speaking and writing.

**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 academic degree;
4. Self-report including information about achievements in research activities, 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 list as of February 9, 2021, <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 achievements and teaching competences,
- information on further scientific plans in the context of the activities of Department of Semiconductor Materials Engineering of the Faculty of Fundamental Problems of Technology, Wrocław University of Science and Technology,
- Statement on having read the information regarding the processing of personal data, <https://wppt.pwr.edu.pl/pracownicy/konkursy>,
- 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>,
- 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,
- support for further professional advancement, including obtaining scientific degrees,
- opportunities to implement research plans, support in obtaining research grants, facilitation of scientific internships,
- attractive incentive programs, including financial bonuses for scientific efficiency, significant teaching discounts for scientists carrying out research projects, a program to support the career development of outstanding young scientists,
- social support; availability of attractive medical care packages dedicated to Wrocław University of Science and Technology employees.

### **Dates:**

Deadline for submitting applications: 20 November 2023, 12:00 (noon)

Approximate date of competition settlement: 27 November 2023

Planned date of employment: 1 January 2024

### **Salary:**

The salary consists of a base salary, a seniority bonus of 1% for each year and 4% for completed doctoral studies, allowances for scientific efficiency, an additional annual bonus of one month's salary and possible allowances for organizational commitment.

We offer a base salary not lower than 5800 PLN/month

### **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.

Submission of documents only by email to: [wppt.konkursy@pwr.edu.pl](mailto: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](mailto: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 achievements, including scientific supervision (weight 50%),
- obtained research grants, activity in research projects, scholarships and academic awards (weight 20%),
- internships and academic mobility (weight 20%),
- teaching competences and achievements including the popularization of science (weight 10%).

Stage II. An interview including the presentation of previous scientific activity and planned scientific research. Only short-listed candidates 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/>