

**Faculty of Fundamental Problems of Technology,  
Wrocław University of Science and Technology**  
announces a job offer for a position of  
**assistant (research, part time)**  
**at the Department of Experimental Physics**

**Reference Number: K63W11D11/13/2025**

**Field: Natural and Exact Sciences**

**Scientific Discipline: Physical Sciences**

**Specialization: Nanostructure Physics**

**Type of Contract: Employment Contract (research assistant in the project Quantum Photonic Integrated Circuits at 1550 nm)**

**Position Profile: R1**

**Job Description:**

Candidates are expected to conduct scientific research and publish results within the framework of the Quantum Photonic Integrated Circuits at 1550 nm (QPIC1550) grant. The research focuses on physics of semiconductor nanostructures, in particular optical quantum integrated systems and their modeling.

**Tasks:**

- conducting scientific research in line with the project's profile, including spectroscopy of single quantum dots in an optical cavity;
- collaborating with external institutions, especially international ones, within the scope of the research project;
- continuous improvement of professional qualifications.

**Requirements:**

- master degree in physical sciences;
- a significant scientific track record, confirmed by publications in peer-reviewed international scientific journals within the last five years in the fields of semiconductor and nanostructure physics, particularly low-dimensional structures studied with basic optical spectroscopy methods and advanced quantum optics techniques, with authorship or co-authorship of relevant scientific articles;
- strong knowledge of weak and strong light-matter interactions in physics;
- experience with optical integrated systems and single nanoscale emitters coupled to optical cavities;
- proficiency in Polish and English, both spoken and written;
- internship or training at a reputable scientific institution in Poland or abroad.

**Required Documents (in electronic format):**

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 professional title;
4. Self-report including information about achievements in research activities and organizational activities:
  - education, previous employment, scientific degrees and professional titles obtained,

- a concise description of the most significant scientific achievements, taking into account the competition requirements,
  - list of realized research grants with an indication of the candidate's role,
  - list of scholarships and awards granted via an open competition,
  - information on academic and professional internships of at least 1 month.
5. Statement on having read the information regarding the processing of personal data, <https://wppt.pwr.edu.pl/pracownicy/konkursy>,
  6. 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>,

#### **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.

#### **Deadlines:**

Deadline for submitting applications: 23 April 2025 r.

Approximate date of decision: 9 May 2025r.

Planned date of employment: 1 June 2025 r.

#### **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](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 activities and achievements, implemented projects, awards, scientific mobility (weight 70%),
- organizational activities (weight 30%).

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.

<https://pwr.edu.pl/en/university/european-human-resources-strategy-for-researchers/otm-r>

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/>

Applicants for the position of academic teacher have the opportunity to file an objection to the decision of the Committee within 7 days from the date of receiving information from the HR assistant about the lack of recommendation for employment. The objection should be submitted to the Dean of the Faculty of Fundamental Problems of Technology of Wrocław University of Technology in written paper form.