



Assistant Professor in the Research Staff Group, Faculty of Technical Physics, Information Technology, and Applied Mathematics, Institute of Physics

Lodz University of Technology is one of the finest universities of technology in Poland. Its tradition and experience in training professionals and conducting research date back 80 years. It is an attractive partner for business. It cooperates with the largest national and international corporations. It conducts research of a European standard, develops new technologies and creates innovation in collaboration with the leading research centers all over the world. One of the pillars of Lodz University of Technology management is equal treatment of staff regardless of their gender, age, race or other demographic and social characteristics. In 2016, TUL was the first technical university in Poland to receive the HR Excellence in Research award certifying that the University adheres to the principles of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers.

1. Candidate Requirements:

- PhD in natural sciences, specifically in the field of physical sciences.
- A minimum of 4 years of scientific research experience.
- At least two co-authored articles published in a JCR-listed scientific journal within the last four years.
- Experience with numerical simulations of semiconductor lasers, particularly VCSEL-type lasers. Additional skills in programming (Python), and familiarity with simulation environments like PLaSK and RPSMES for semiconductor lasers, as well as software packages such as Origin or LabView, will be considered advantageous.
- Proficiency in English.
- Employment is contingent upon signing a declaration to represent the Lodz University of Technology in the field of physical sciences.

2. Employment Conditions:

- Recruitment for postdoctoral position within project no. FENG.02.03-IP.05-0021/24, titled: "Electrically driven compact single-photon sources operating at room temperature". Project under the Foundation for Polish Science (FNP) TEAM NET FENG program (Action 2.3 TEAM NET).
- Employment type: full-time employment contract for a fixed term – for the duration of the project.
- Expected start date: **January 2, 2026.**

3. Description of Expected Tasks and Responsibilities for the Position:

The postdoctoral researcher will be responsible for conducting research in semiconductor device physics and applying numerical methods to simulate photonic structures, with a focus on their optical properties. Throughout all stages of the project, the researcher will engage in tasks related to numerical cavity design, particularly in optimizing double cavities and two-dimensional resonant photonic structures.

The positions are part of the Team Net Feng project led by Prof. Tomasz Czystanowski.



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4. List of Required Documents:

1. Application for employment addressed to the Rector of Lodz University of Technology.
2. CV with contact details, including previous scientific achievements, specifically:
 - Scientific experience gained in Poland and/or abroad,
 - Participation in research projects,
 - Publications in JCR-listed journals,
 - Up to five most significant awards related to scientific research,
 - Scientific workshops/training attended.
3. Personal questionnaire for applicants, Appendix 1.1 to the OTM-R Policy – Open, Transparent, and Merit-Based Recruitment Process.
4. Data protection clause, Appendix 1.2 to the OTM-R Policy.
5. Consent for personal data processing, Appendix 1.3 to the OTM-R Policy.
6. Copies/certificates of diplomas.
7. Other documents confirming qualifications.

5. Submission Details:

Applications should be submitted electronically to the following email address:

monika.bojanowska.1@p.lodz.pl

Deadline: **December 04, 2025**

All required documents must be submitted in **PDF format** (the total size of the attachments should not exceed 10 MB).

Candidates who meet the formal requirements and project criteria may be invited for an interview. Information regarding a potential interview will be sent to applicants via email.

6. Contact Information:

For further details regarding the recruitment process, please contact the project leader:

Prof. Tomasz Czyszanowski

Email: tomasz.czyszanowski@p.lodz.pl

7. Expected Date of Selection Announcement: December 08, 2025



PERSONAL INFORMATION FORM FOR APPLICANTS FOR EMPLOYMENT AT ŁÓDZ UNIVERSITY OF TECHNOLOGY

1. First name(s) and family name
2. Date of birth
3. Contact details
4. Education (where required for specific duties or jobs)
.....
(name of school and graduation date)
.....
.....
(occupation, specialisation, degree, professional title, academic title)
5. Professional qualifications (where required for specific duties or jobs)
.....
.....
(courses, postgraduate education, other forms of further development of knowledge and skills)
6. Employment history (where required for specific duties or jobs)
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.....
.....
(employment periods and jobs held at previous employers')
7. Additional personal information, where the right or the duty to disclose it exists under specific regulations
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(place and date)

.....
(signature of the applicant)



Data Privacy Statement for job candidates

1. The administrator of your data processed as part of the recruitment process is Lodz University of Technology (address: 90-924 Lodz, 116 Żeromskiego St., phone: +48 42 631 29 29), represented by the Rector as the employer.
2. At the Lodz University of Technology you can contact the Data Protection Officer at: iod@adm.p.lodz.pl phone: +48 42 631 20 39.
3. Lodz University of Technology will process your personal data to the extent indicated in the labor legislation for the purpose of the current recruitment procedure (Article 6(1)(b) of the GDPR), while other data, including contact data, on the basis of consent (Article 6(1)(a) of the GDPR), which may be revoked at any time.
4. Lodz University of Technology will process your personal data, also in subsequent recruitment of employees, if you give your consent (Article 6(1)(a) GDPR), which may be revoked at any time.
5. If the documents include data referred to in Article 9(1) of the GDPR, your consent to their processing will be required (Article 9(2)(a) of the GDPR), which may be revoked at any time. (Article 22 of the Labor Code and §1 of the Regulation of the Minister of Family, Labor and Social Policy of December 10, 2018 on employee records).
6. Personal data will be disclosed to persons acting under the authority of the controller and having access to personal data, processing them only on the instructions of the controller, unless required by European Union or Member State law.
7. Your data collected in the current recruitment process will be stored until the end of the recruitment process. In the case of your consent to the use of personal data for future recruitment, your data will be used until the end of the calendar year in which the recruitment process for which your application was submitted ended.
8. You have the right to:
 - a) the right to access your data and to receive a copy of it;
 - b) the right to rectify (correct) your personal data;
 - c) the right to restrict the processing of your personal data;
 - d) the right to delete your personal data;
 - e) the right to lodge a complaint with the President of the Personal Data Protection Office (to the address of the Personal Data Protection Office: 2 Stawki St., 00 - 193 Warsaw)

Information on data requirement: Your submitting personal data to the extent of Article 221 of the Labor Code is necessary to participate in the recruitment procedure. Your provision of other data is voluntary.

.....
(date and signature of the candidate)



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Annex no. 1.3
to The OTM-R POLICY – OPEN TRANSPARENT MERIT-BASED RECRUITMENT

Candidate's consent to personal data processing under Article 7 GDPR

I consent to the processing of my personal data for the purpose and to the extent necessary to carry out the recruitment for the job in accordance with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46/EC (General Data Protection Regulation), publ. Official Journal of the EU L No. 119, p. 1. Consent is voluntary. Failure to give consent entails the inability to participate in the recruitment process. Consent may be withdrawn at any time, but without affecting the legality of the processing of personal data carried out on the basis of consent before its withdrawal.

.....
(date and signature of applicant)

* delete as appropriate