

Scientific and didactic assistant at Department of Molecular 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 more than 75 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 centres 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. The requirements to be met by the candidate (detailed description of the knowledge, qualifications, skills, and professional experience):

- doctoral degree in the field of science in the discipline of physical sciences, in topics related to optoelectronics;
- fluency in Polish and English, both oral and written, allowing free use of scientific texts, preparation of scientific reports and presentation of scientific research results in Polish and English;
- documented scientific achievements in the field of science concerning the physical properties of molecules in thin-film systems (techniques of their production, characterization and studies of spectroscopic and electrical properties) confirmed by publications, conference presentations, patents or patent applications;
- scientific experience gained during scientific internships, cooperation in international teams
- ability to work in the laboratory (working in a clean room, working with gloves)
- knowledge of thin film fabrication techniques (with particular emphasis on solution-based methods and vacuum techniques)
- ability to characterize thin films using optical microscopy, scanning microscopy techniques (including AFM, EFM, KPFM)
- Experience in spectroscopic studies (UV-VIS absorption, FTIR, photoluminescence, time-resolved photoluminescence, Raman spectroscopy)
- ability to work in a team;
- independence and decision-making skills;
- Openness to new concepts, ease of learning;

Desired additional skills:

- ability to design experiments and experimental systems (knowledge in engineering graphics programs)
- Ability to use advanced equipment in the experiment requiring the preparation of software to control the measurement system
- ability to collect, process and analyze results (knowledge of software for numerical calculations)
- teaching experience, preparation for teaching work (e.g. course, specialization, teaching study)

2. Specification of the terms and conditions of employment and authority associated with the position:

-employment contract (full-time) since October 2023.

3. Description of expected duties and responsibilities.

- conducting scientific research in the field of nanotechnology

- Conducting scientific research in the field of spectroscopic studies of various functional materials.
- Conducting scientific research in the field of optoelectronics, analyzing physical phenomena affecting the performance of organic optoelectronic devices
- conducting classes in nanotechnology and materials science, materials testing methods, physics, electrical engineering.
- organizational work for the Department of Molecular Physics, Faculty of Chemistry and the Lodz University of Technology.

4. List of the required documents:

- 1) application for employment to the Rector of Lodz University of Technology;
- 2) personal questionnaire for a person applying for employment at Lodz University of Technology, as provided in Annex no. 1.1 to the OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT;
- 3) Data Privacy Statement as provided in Annex no. 1.2 to the OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT;
- 4) Consent to the processing of personal data, as provided in Annex no. 1.3 to the OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT;
- 5) true copies/copies of diplomas;
- 6) other documents proving the qualifications.

5. Applications will be accepted until 07.07.2023, 12:00 at the Secretariat of the Department of Molecular Physics at the Lodz University of Technology, ul. Żeromskiego 116, 90-924 Łódź, (building A27) or to the following e-mail address: w3k31@adm.p.lodz.pl. In the title of the e-mail it is necessary to enter: "konkurs - adiunkt K31". The organizer reserves the right to cancel the competition without giving reasons.

The second stage of recruitment - interview with selected candidates in the period 10-12.07.2023. The employer reserves the right to conduct an interview online.

The outcome of the competition is not tantamount to establishing an employment relationship with the Lodz University of Technology. The final decision on employment will be made by the Rector based on the recommendation of the competition commission.

6. the expected date of the announcement of the decision: July 2023.

Furthermore, as regards academic staff:

7. It is recommended that the notice include the following information materials for the candidate:

The Department of Molecular Physics (DMP) is part of the Faculty of Chemistry of the Lodz University of Technology. It is an interdisciplinary unit that conducts research on the border of chemistry, physics, and materials science, including nanotechnology. Currently, the main subject of interest includes physics of organic solids, physics and physical chemistry of polymers, including:

- electrical and optical properties, conductivity and photoconductivity of polymers;
- electroluminescence and luminescence of organic materials;
- molecular spectroscopy of polymers;
- polymer hydrogels sensitive to stimuli;
- organic semiconductors and conductors, molecular crystals;
- physical methods of polymer modification, new methods of producing composites;
- thin layer technologies;
- modeling the dynamics of macromolecules;

8. If documents are to be sent by post, please include the words 'Job Application' on the envelope.

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

1. First name(s) and family name

2. Date of birth

3. Contact details
(provided by the applicant)

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)
.....
.....
(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
.....
.....

.....
(place and date)

.....
(signature of the applicant)

Data Privacy Statement for job candidates

Pursuant to Article 13(1) and (2) of 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, Official Journal of the EU L 119/1), hereinafter referred to as "GDPR", we inform you as follows:

- 1) Lodz University of Technology with the registered office in Lodz is the Controller of your personal data;
- 2) We have appointed a Data Protection Officer to supervise the compliance of personal data processing, who can be contacted in matters concerning the protection of your personal data at the following e-mail address: rbi@adm.p.lodz.pl; telephone number: 42 631 2039; or in writing to the address of our registered office: Lodz University of Technology, Żeromskiego 116, 90-924 Łódź;
- 3) As the controller, we will process your data for the purpose of the recruitment process for the position indicated, based on your consent (Article 6(1)(a) GDPR);
- 4) You have the right to withdraw your consent to the processing of your personal data at any time, but such withdrawal shall not affect the lawfulness of the processing effected on the basis of your consent prior to its withdrawal;
- 5) You have the right to lodge an objection against the processing of the data as set out above at any time. We will cease to process your data for these purposes unless we can demonstrate that there are compelling legitimate grounds for us to do so which override your interests, rights, and freedoms, or that your data will be required for the possible establishment, assertion, or defense of claims;
- 6) Your personal data provided in the CV, personal information form for the applicant for employment, and copies of documents supporting your professional experience, education, additional credentials and qualifications will be processed for the period in which claims related to the recruitment process may arise, i.e. for 6 months following the conclusion of the recruitment process. For individuals who have given their consent to the processing of personal data for the purposes of future recruitment, for a period of 12 months following the conclusion of the recruitment process during which the consent has been given;
- 7) Only individuals authorized by the Controller to process your data in the performance of their duties will have access to your data;
- 8) Your personal data will not undergo automated processing and will not be subject to profiling;
- 9) Under GDPR, you shall further have:
 - a) the right to access your data and to receive copies thereof,
 - b) the right to rectification (amendment) of your data,
 - c) the right to erasure/to be forgotten, restriction of data processing,
 - d) the right to data portability,
 - e) right to file a complaint to the supervisory authority - President of the Personal Data Protection Office, Stawki 2, 00-193 Warsaw.

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

**Consent of the candidate to the processing of personal data
(pursuant to Article 7 GDPR)**

I consent to the processing of my personal data by Lodz University of Technology, the Controller of the data included in the following documents that I have submitted:

.....
.....

for the purpose of recruitment/employment*.

I hereby declare that I have been informed of the right to withdraw my consent at any time, effective as of the date of submission of the withdrawal of consent.

The Controller (or an authorised representative) has also informed me that the withdrawal of consent does not affect the lawfulness of the processing performed on the basis of the said consent prior to its withdrawal.

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

* delete as appropriate