

Assistant professor in a group of research positions, Institute of Electronics

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:
 - a. a Ph.D. in technical sciences in the field of thermal and fluid flow processes, heat transfer systems and mass flow involving phase changes;
 - b. knowledge and design experience confirmed by peer-reviewed publications in the field of thermal processes and heat exchange systems, with particular emphasis on the Indirect Regenerative Evaporative Cooling (IREC) technology based on the Maisotsenko cycle;
 - c. practical skills in the design and implementation of prototypes of IREC systems;
 - d. knowledge and practical experience confirmed by at least one peer-reviewed publication in the field of materials engineering and measurement of material properties, with particular emphasis on capillary-porous systems;
 - e. experience in preparing scientific reports and publications in English, confirmed by at least two scientific publications registered in the Web of Science database;
 - f. knowledge of ANSYS and/or COMSOL Multiphysics packages in the field of CFD numerical modeling and thermal processes (added advantage);
 - g. knowledge of Polish language in speech and writing enabling communication with the research team;
 - h. minimum one-year experience (after obtaining the Ph.D. degree) in laboratory research projects work;
 - i. knowledge of English language in speech and writing, enabling the editing of scientific papers and their presentation on an international forum;
 - j. the candidate must meet the requirements contained in the:
 - "Regulations on granting funds for research projects funded by the National Science Center" annexed to Resolution No. 27/2022 of the NCN Council of 2nd of March 2022 on amending the Regulations on granting funds for tasks funded by the National Science Center in research projects.
 - guidelines for the NCN OPUS 23 research projects call.
2. Specification of the terms and conditions of employment and authority associated with the position.
 - full-time employment;
 - start date: June 2023.

- duration of employment: 36 months.

Entitlements

- the opportunity to develop an academic career;
- participation in national and international scientific conferences;
- publication of scientific papers in journals with a high citation index (Impact Factor).

3. Description of the expected responsibilities and duties

- developing the concept of the IREC cooling system for electronic circuits and systems;
- participation in the design, implementation and commissioning of the IREC system;
- selection of materials for the construction of prototypes of the IREC system;
- validation of the operation of the developed cooling system;
- optimization of the developed IREC cooling system;
- participation in the preparation of reports and scientific publications;
- performing organizational tasks within the Department where the candidate will be employed.

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. The place, manner, and deadline for submitting the documents (as well as information concerning their return):

The documents should be sent by e-mail to aleksandra.sibinska@p.lodz.pl or by post to Lodz University of Technology, Institute of Electronics Al. Politechniki 10, 93-590 Lodz, building B9, floor 3, room 322 by **29.04.2023**. The date on which the documents are received by the Institute of Electronics will count.

Candidates will be able to collect their submitted competition-related documents for a period of 30 days from the closing date of the competition.

6. Contact person and postal and e-mail addresses to which documents or scans thereof may be forwarded:

Aleksandra Sibińska
adres e-mail: aleksandra.sibinska@p.lodz.pl

Instytutu Elektroniki Politechniki Łódzkiej
al. Politechniki 10
93-590 Łódź

7. The expected date of the announcement of the decision: May 2023
8. The Institute of Electronics cooperates with top universities and the best companies in the world in the following fields:
 - signal and image processing;
 - wireless networks and ad hoc networks ;
 - computational intelligence methods in technology, industry and medicine;
 - human-computer interface design and development;
 - computer aided systems and devices for the people with disabilities;
 - electronic equipment design.
9. 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: iod@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