



Assistant professor in the group of research workers, Faculty of Electrical, Electronic, Computer and Control Engineering, Department of Microelectronics and Computer Science

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 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 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):

- at least a doctoral degree in technical sciences in the computer engineering and telecommunications discipline;
- documented experience in research in the area of control, protection, and data acquisition systems, with particular emphasis on systems for large-scale research infrastructures utilizing superconducting linear accelerators;
- scientific achievements documented by at least 2 publications in journals listed in the "List of Scientific Journals and Reviewed Materials from International Conferences" published by the Minister of Science and Higher Education, predominantly in the field of accelerator technology and LLRF system control;
- knowledge of selected research techniques, such as: design and programming of embedded systems controlling high-voltage power supplies and other control subsystems of superconducting linear accelerators; testing and validation of control algorithms; design and integration of software with LLRF and RFPI systems at the system layer and within the EPICS environment; measurement data analysis and technical compliance validation; implementation and maintenance of software in industrial and large-scale research infrastructure environments; creation of code repositories (Git), CI/CD pipelines, and unit tests; preparation of user and maintenance documentation; post-deployment system monitoring (data logging, fault diagnostics).
- participation in national and international conferences;
- proficiency in English at a level not lower than B2;
- ability to work in a international scientific team;
- ability to make independent decisions;
- openness to new concepts, ease of acquiring knowledge;

Desired additional skills:

- proficiency in operating LLRF control systems for superconducting linear accelerators;;
- experience with working with software tools for the development and programming of reconfigurable FPGA devices (Xilinx, Lattice, etc.);
- experience in planning and conducting scientific experiments in the field of the development, construction, and testing of software for SoM (System on Module) platforms

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

- full-time employment;
- fixed-term contract for a period of 10 months, with the possibility of extension;
- start date: January 1, 2026

3. Description of the expected responsibilities and duties:

- conducting research activities related to the development, implementation, and deployment of software at all levels for the designed high-voltage power supply under the PIP-II project, in particular:
 - development of software structure and component specifications based on provided requirements,
 - development of system-level software for communication and hardware layer management,
 - development of control system software within the EPICS environment, including operator panels,
 - preparation of technical documentation,



- source code documentation,
- creation and maintenance of repositories for software version control,
- development and execution of software tests,
- integration, testing, and evaluation of software in a test environment,
- integration of the software with the target infrastructure,
- preparation of FAT / SAT / IQ / OQ test documentation,
- safety standards compliance analysis,
- software and configuration validation in terms of reliability and repeatability;
- preparing scientific publications in accordance with the requirements of the target scientific journals;
- international travel related to project implementation and participation in international conferences.

4. List of the required documents:

- 1) Application for employment addressed to the Lodz University of Technology Rector;
- 2) CV with contact details, including previous scientific achievements;
- 3) 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;
- 4) Data Privacy Statement as provided in Annex no. 1.2 to the OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT;
- 5) Consent to the processing of personal data, as provided in Annex no. 1.3 to the OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT;
- 6) Copies of diplomas;
- 7) Other documents confirming the qualifications.

5. The place, manner, and deadline for submitting the documents:

Documents should be:

- sent electronically to the email address: w2k22@adm.p.lodz.pl, with the subject line "Assistant Professor Recruitment" (all required documents/attachments must be submitted as PDF files; the total size of the attachments should not exceed 10 MB), or
- sent by traditional mail to the following address:
Lodz University of Technology, Department of Microelectronics and Computer Science
221 Wólczańska Street, 93-005 Lodz, Poland, or
- submitted in person at the above address

by December 1, 2025, no later than 3:00 PM, with the note "Assistant Professor Recruitment" on the envelope.

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

6. Contact person:

For matters related to the recruitment process, please contact with the Department of Microelectronics and Computer Science office: phone: +48 42 631 27 27, +48 42 631 26 28, e-mail: w2k22@adm.p.lodz.pl
Additional information about the recruitment is provided by Ms. Marta Błaszczuk, M.Sc..

7. The expected date of the announcement of the decision: December 5, 2025.

8. Description of the employing unit

The Department of Microelectronics and Computer Science at Lodz University of Technology conducts scientific and educational activities in the field of engineering and technical sciences, within two scientific disciplines: automation, electronic and electrical engineering, as well as information and communication technology. The Department carries out scientific, research, and development work in various areas of electronics and computer science. The undertaken activities focus particularly on: design and modeling of integrated circuits, HDL synthesis of modern ASIC-VLSI systems, design and modeling of modern power devices and Smart Power systems, thermal and electrothermal simulation of power semiconductor devices and VLSI circuits, infrared thermography, design of reprogrammable FPGA and CPLD systems, neural networks, design of micro-electro-mechanical systems (MEMS) using VHDL-AMS, power electronics, development of advanced web services, databases, application design for mobile devices, medical image processing, application of computer science in medicine.



**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, specialization, 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.....
.....
.....
.....
-
(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:

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)



Politechnika Łódzka

Appendix No. 1.3
to the "OTM-R POLICY – OPEN TRANSPARENT MERIT-BASED RECRUITMENT PROCESS"

**Candidate's consent to the processing of personal data
(in accordance with Article 7 of the GDPR)**

I consent to the processing of my personal data for the purpose and to the extent necessary to conduct the recruitment process in accordance with the 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), published in the Official Journal of the EU L No. 119, p. 1. Consent is voluntary. Failure to consent will result in the inability to participate in the recruitment process. Consent can be withdrawn at any time, but without affecting the lawfulness of the processing of personal data carried out based on consent before its withdrawal.

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

*unnecessary to delete