



Assistant (F/M) in the Research and Teaching Staff Group, Institute of Mechatronics and Information Systems, Faculty of Electrical, Electronic, Computer and Control Engineering, Lodz University of Technology

Lodz University of Technology is one of the leading technical universities in Poland. With more than 80 years of tradition and experience in higher education and scientific research, it is an attractive partner for industry. The University cooperates with the largest companies in Poland and abroad. It conducts research at the European level, develops innovative technologies and patents in collaboration with leading research centres worldwide. One of the fundamental principles of the University's management is equal treatment of employees regardless of gender, age, race or other demographic and social characteristics. In 2016, Lodz University of Technology became the first technical university in Poland to receive the HR Excellence in Research award, confirming its compliance with the principles of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers.

1. Candidate requirements:

- A Master's degree (M.Sc. or M.Sc. Eng.) in Computer Science or a related field, or an equivalent foreign degree in Computer Science or a related discipline recognised in the Republic of Poland as equivalent to the relevant Polish degree and professional title in accordance with applicable regulations;
- Completion of studies with a specialisation or curriculum covering data analysis and data mining, databases or artificial intelligence, documented by a diploma, diploma supplement or another document confirming the study programme, will be considered an additional advantage;
- Experience in preparing and delivering university-level courses in Computer Science;
- Experience in teaching data analysis, databases, machine learning or artificial intelligence methods and tools will be considered an additional advantage;
- Experience in preparing scientific publications in English, documented by authorship or co-authorship of at least three scientific papers published in journals included, in the year of publication, in the List of Scientific Journals and Peer-Reviewed Conference Proceedings published by the Minister of Science and Higher Education;
- Participation in research, research and development or educational projects, particularly international projects, will be considered an additional advantage;
- Knowledge of Python and the NumPy, pandas, scikit-learn and Matplotlib libraries;
- Knowledge of relational database concepts will be considered an additional advantage;
- English language proficiency at a minimum level of B2, enabling the preparation of scientific publications and the delivery of teaching in English;
- Fluent command of the Polish language (C2 level confirmed by a certificate or native speaker proficiency).

2. Employment conditions:

- Full-time employment;
- The selected candidate will be employed for a period of three years, with the prospect of extension to an indefinite-term contract;
- Expected employment start date: 1 October 2026;
- Salary: from 6,000 PLN (the final salary will be determined based on the candidate's experience, length of service and qualifications).



3. Description of the expected scope of duties and responsibilities:

The successful candidate will participate in research activities in the fields of data analysis, machine learning, and artificial intelligence methods and tools conducted at the Institute of Mechatronics and Information Systems (I25). The candidate will also teach courses in Computer Science and related programmes in both Polish and English.

The scope of duties will include, among others:

- Planning and conducting research;
- Preparing scientific publications in accordance with the requirements of target scientific journals;
- Presenting research results at national and international conferences;
- Conducting laboratory classes and project-based courses, including courses in data analysis and machine learning;
- Supervising student projects;
- Participating in research projects carried out by the Institute;
- Participating in the preparation of research funding applications;
- Participating in organisational activities for the benefit of the Institute, Faculty and University;
- Continuously improving scientific and teaching qualifications.

4. List of required documents:

1. Application addressed to the Rector of Lodz University of Technology requesting employment;
2. Curriculum Vitae including contact details and information on education, employment history and achievements, in particular:
 - scientific experience gained in Poland or abroad;
 - teaching experience, including courses delivered;
 - participation in research, research and development, or educational projects;
 - scientific publications, including journal articles and peer-reviewed conference publications;
 - participation in scientific conferences, particularly presentations delivered;
 - technical and language competencies relevant to the competition requirements;
 - completed workshops and training courses.
3. Personal questionnaire for applicants seeking employment at Lodz University of Technology, constituting Annex No. 1.1 to the "OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT";
4. Information clause for job applicants, constituting Annex No. 1.2 to the "OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT";
5. Candidate's consent to the processing of personal data, constituting Annex No. 1.3 to the "OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT";
6. Copies of diplomas and/or resolutions of the Council for Scientific Degrees;
7. Other documents confirming the candidate's qualifications.

5. Place, form and deadline for submitting documents:

Applications should be submitted electronically to **w2i25@adm.p.lodz.pl** by **1 September 2026 (3:00 p.m.)**. All required documents and attachments must be submitted in PDF format (the total size of attached files must not exceed 20 MB).

Documents in languages other than Polish and English must be translated into Polish by a sworn translator. Candidates meeting the formal requirements may be invited to an interview. Information regarding the interview will be sent by e-mail.

6. Contact person:

Lodz University of Technology
90-924 Lodz, 116 Żeromskiego Street
phone (+48 42) 631 29 29, www.p.lodz.pl



Politechnika Łódzka

For additional information regarding the competition, please contact:

Anna Firyż-Nowacka, PhD; e-mail: anna.firyż-nowacka@p.lodz.pl

7. Expected date of completion of the recruitment process: 7 September 2026

The completion of the recruitment process does not constitute the establishment of an employment relationship with Lodz University of Technology. The final employment decision will be made by the Rector based on the recommendation of the Recruitment Committee.

8. Description of the profile of the recruiting organisational unit:

The Institute of Mechatronics and Information Systems is a unit of the Faculty of Electrical, Electronic, Computer and Control Engineering of Lodz University of Technology. It conducts interdisciplinary research, teaching and implementation activities at the intersection of computer science, mechatronics and electrical engineering. The Institute's profile originates from its long-standing tradition of research on electrical machines and transformers and has subsequently expanded to include computer-aided modelling and design methods, information systems, data analysis, artificial intelligence and immersive technologies.

The Institute has modern research infrastructure, including laboratories for electromagnetism, electromagnetic compatibility, vibroacoustics, electrical machines and transformers, VR/AR technologies, database systems, environmental electro-technologies, plasma synthesis of nanomaterials and microscopy. The Institute cooperates with industrial partners, medical institutions and research centres, and participates in national and international research, research and development, and educational projects.

9. Description of the main research areas conducted at the Institute

The Institute's main research areas include:

- Data analysis and processing, machine learning, artificial intelligence methods, large language models, database systems, and the design of secure platforms for collecting, integrating and sharing large datasets, including medical and biomedical data;
- Design and evaluation of systems using virtual, augmented and mixed reality, with particular emphasis on medical, educational and therapeutic applications, human-computer interaction, user behaviour analysis, and evaluation of application effectiveness based on biomedical and physiological data;
- Modelling, simulation, optimisation, design and diagnostics of electrical machines, transformers, instrument transformers and mechatronic systems, including analysis of electromagnetic fields, losses, thermal and vibroacoustic phenomena, as well as research on electromagnetic compatibility and power quality.

10. Additional information:

Lodz University of Technology has an internal procedure for reporting breaches of law and undertaking follow-up actions.



**PERSONAL INFORMATION FORM FOR APPLICANTS FOR EMPLOYMENT AT
ŁODZ 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)
.....
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(occupation, specialisation, degree, professional title, academic title)
5. Professional qualifications (where required for specific duties or jobs)
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(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)



Information clause for employment candidates

In accordance with 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 individuals 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) OJ L 119, p. please be informed that:

1. The controller of the data is Lodz University of Technology with its seat in Łódź, at. ul. Żeromskiego 116, Tax Identification Number (NIP): 727-002-18-95, tel. +48 42 631 29 29 represented by the Rector.
2. The Data Protection Officer has been appointed at TUL (contact details: e-mail: iod@adm.p.lodz.pl, phone number: 42 631 20 39).
3. Your personal data to the extent indicated in the employment legislation will be processed for the purpose of the current recruitment procedure (Art. 6(1)(b) GDPR), while other data, including contact data, will be processed on the basis of consent (Art. 6(1)(a) GDPR), which can be revoked at any time.
4. Lodz University of Technology will process your personal data, also in subsequent staff recruitment, if you give your consent (Art. 6(1)(a) GDPR), which can be revoked at any time.
5. If the documents contain the 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 can be revoked at any time. Labour law provisions: Article 22 of the Polish Labour Code and §1 of the Regulation of the Minister of Family, Labour and Social Policy of 10 December 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 controller's instructions, unless required by European Union or Member State law.
7. Data retention period: Your data collected in the current recruitment process will be stored until the end of the recruitment process. If you have given your consent to the use of your 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 has ended.
8. You are the holder of the following entitlements:
 - 1) the right to access your data and to receive a copy of it
 - 2) the right to rectify (amend) your personal data;
 - 3) the right to restrict the processing of your personal data;
 - 4) the right to erasure of your personal data;
 - 5) the right to lodge a complaint with the President of the Office for Personal Data Protection (to the address of the Office for Personal Data Protection, ul. Stawki 2, 00 - 193 Warsaw)
9. Information on the requirement to provide data: Your provision of personal data in the scope resulting from Article 22¹ of the Polish Labour Code is necessary to participate in the recruitment procedure. Your provision of other data is voluntary.

.....
(signature of candidate for employment)



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.

I would like to inform you that I have been/I haven't been* presented with the salary range for the position mentioned in the advertisement.

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

* delete as appropriate