



Research and teaching assistant at Institute of Mathematics

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 master's degree in the discipline of mathematics;
- scientific achievements documented by publications in journals from the former A-list of the Ministry of Science and Higher Education or the current list of the Ministry of Science and Higher Education, with an emphasis on journals with a score of 70 or higher;
- knowledge of essential mathematics and computer science topics related to statistical data analysis;
- at least intermediate knowledge of the R language;
- at least intermediate knowledge of Python and the basics of its key libraries for data processing and analysis;
- knowledge of Excel spreadsheets and any database language (e.g., SQL);
- knowledge of selected tools for handling Big Data, machine learning, and artificial intelligence would be an additional advantage;
- knowledge of the basics of statistical model construction;
- teaching experience in teaching at a university;
- ability to independently prepare scientific publications and prepare scientific reports;
- documented participation in research projects;
- experience in conducting laboratory classes in data analysis;
- experience in presenting at national and international conferences;
- knowledge of Polish sufficient to conduct teaching;
- knowledge of English at a level no lower than B2;



Politechnika Łódzka

- ability to publicly present the results of scientific work.

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

- full-time;
- expected start date: March 1, 2026;
- the selected candidate will be employed for 24 months;
- work performed on-site;
- rights:
 - opportunities for scientific career development;
 - trips abroad to conduct research at European research centers;
 - participation in national and international conferences;
 - publishing scientific papers

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

- conducting scientific research;
- conducting teaching;
- preparing research proposals financed from Polish public funds (NCN, NCBiR, NFGWiOŚ, FNP) or EU funds;
- very good organization, independence, and strong motivation to work;
- openness to new concepts and ease of learning;
- willingness to dedicate oneself to research;
- strong interpersonal skills, enabling effective teamwork;
- accuracy in performing assigned tasks and ease of adapting to procedures;
- strong communication skills.

4.Tasks included in the scope of duties include:

- conducting research in the field of mathematics (including preparing scientific publications and presenting at national and international conferences);
- conducting teaching activities (lectures, tutorials, projects, and laboratories), including classes in statistical data analysis);
- participating in research projects carried out at the Institute and applying for grants;
- participating in organizational work for the Institute of Mathematics and Lodz University of Technology.

5.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.

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

Applications for the competition should be delivered to the following address: Institute of Mathematics of the Lodz University of Technology, 90-924 Lodz, ul. Żeromskiego 116 with the note: "Competition for the assistant professor position at I73" (if documents are to be sent by post, please write on the envelope 'Job Application'), or sent by e-mail to the e-mail address: w7i73@adm.p.lodz.pl with the note "Competition for the position of assistant professor at I73" **by December 29, 2025.**

What counts is the date of receipt of the documents by the Institute of Mathematics. Candidates will be able to collect the documents submitted by them related to the competition for a period of 30 days from the date of the end of the competition. Candidates meeting the formal requirements will be invited for an interview. Information regarding the interview will be sent to Candidates by e-mail.

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

Additional information on the competition is provided by professor Katarzyna Szymańska-Dębowska, PhD, DSc; e-mail: katarzyna.szymanska-debowska@p.lodz.pl

8. The expected date of the announcement of the decision – January 15, 2026

9. Additional information for candidates:

The Institute of Mathematics is one of three units forming the Faculty of Technical Physics, Computer Science and Applied Mathematics (FTIMS) of the Lodz University of Technology. The Institute conducts research related to the following modern areas of science: dynamics and control of systems in biomedical applications, dynamical systems and optimization in life sciences and medicine, non-linear and non-local boundary problems for differential equations, qualitative theory of difference equations, non-linear analysis, graph theory, combinatorial optimization using metric-type structures, algebraic structures in analysis and topology, statistics and probability theory, application of data analysis methods in social sciences, financial and insurance mathematics, life and property



Politechnika Łódzka

insurance, insurer solvency and incomplete financial markets, set theory, real and complex analysis, iterated function systems, functional inequalities.

We have an internal procedure for reporting violations of the law and taking follow-up actions at the Lodz University of Technology



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

1. The administrator of your data processed as part of the recruitment process is Lodz University of Technology (address: 90-924 Łódź, 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)



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