



## **ASSISTANT PROFESSOR (F/M) IN THE RESEARCH AND TEACHING STAFF GROUP**

### **Department of Automation, Biomechanics and Mechatronics Faculty of Mechanical Engineering, Lodz University of Technology**

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 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. Requirements to be met by the candidate:**

- a PhD degree in engineering and technology sciences or in exact and natural sciences, in particular in disciplines such as mechanical engineering, mathematics or related fields;
- fluent command of Polish, both spoken and written, enabling teaching activities and performance of organisational and administrative duties;
- fluent command of English, both spoken and written, enabling scientific communication, preparation of publications and public presentation of research results;
- documented research experience confirmed by publications in English, in the field of:
  - mechatronics, or
  - control of dynamical systems, or
  - applied mathematics;
- research experience including, among others, topics such as:
  - analytical and numerical methods for solving ODE and PDE differential equations;
  - mathematical modeling and identification of physical phenomena in areas such as solid mechanics, dynamics of mechanical vibrations, mechatronics, and mathematics;
  - numerical simulations of dynamical systems;
- readiness to:
  - design and instrument original experimental research setups;
  - develop dedicated applications of artificial neural networks;
- research interests consistent with the scientific profile of the Department of Automation, Biomechanics and Mechatronics.

#### **2. Terms and conditions of employment:**

- Type of contract: fixed-term employment contract, full-time.
- Planned starting date: 1 September 2026.
- Monthly salary: PLN 8,600 – 9,700 gross + seniority allowance.

*The remuneration is determined on the basis of objective and gender-neutral criteria, in particular: academic degree and scientific achievements, experience, scope of duties and involvement in research and teaching activities, in accordance with the remuneration regulations of Lodz University of Technology.*



### 3. Description of the expected responsibilities and duties

The scope of duties will include, in particular:

- development of analytical and numerical methods for solving computational problems based on ODE and PDE equations, also supported by artificial neural networks;
- mathematical modelling and parameter identification of dynamical systems (e.g. friction oscillators, beams subjected to external excitation, acoustic phenomena in machine operation), also supported by artificial neural networks;
- performing numerical simulations and dynamic analyses using programming environments such as Julia, Python, MATLAB or C++;
- dissemination and documentation of research results through regular publication in reputable/high-quality scientific journals and participation in scientific conferences;
- continuous professional development, building an individual scientific profile and striving for further academic degrees;
- conducting teaching activities in Polish, including classes, laboratories or projects in mechatronics and related subjects;
- participation in organisational activities for the benefit of the Department, including preparation of grant applications and participation in the implementation of research projects;
- readiness to submit individual research project proposals at the university and national level.

### 4. Required documents

- a. application for employment addressed to the Rector of Lodz University of Technology;
- b. cover letter addressed to the Head of the Department of Automation, Biomechanics and Mechatronics;
- c. curriculum vitae including:
  - contact details,
  - educational background,
  - candidate profile,
  - acquired skills,
  - research and teaching experience,
  - scientific publications,
  - distinctions,
  - training and certificates,
  - personal interests;
- d. personal questionnaire (Annex no. 1.1 to the OTM-R Policy);
- e. Data Privacy Statement (Annex no. 1.2 to the OTM-R Policy);
- f. consent to the processing of personal data (Annex no. 1.3 to the OTM-R Policy);
- g. certified copies or copies of diplomas confirming higher education and the PhD degree;
- h. other documents confirming qualifications.

*Documents prepared in a foreign language should be submitted together with a Polish translation (a sworn translation is not required at this stage).*



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## 5. Place, manner and deadline for submitting documents

Documents should be submitted electronically (PDF, max. 10 MB) to: [w1k11@adm.p.lodz.pl](mailto:w1k11@adm.p.lodz.pl)

Application deadline: 14 June 2026

E-mail subject line: "K11 – Assistant professor (F/M) position competition"

## 6. Contact person

Magdalena Jastrzębska. Secretariat of the Department of Automation, Biomechanics and Mechatronics,

e-mail: [w1k11@adm.p.lodz.pl](mailto:w1k11@adm.p.lodz.pl)

## 7. Expected date of announcement of the decision: 15 July 2026

The recruitment procedure is multi-stage and includes an analysis of application documents and an interview.

Selected candidates will be informed about the interview date by e-mail.

The outcome of the competition does not constitute an employment commitment.

The final decision on employment is made by the Rector based on the recommendation of the selection committee.

## 8. Additional information:

The Department of Automation, Biomechanics and Mechatronics is a unit of the Faculty of Mechanical Engineering of Lodz University of Technology, established by the Rector of Lodz University of Technology in 1998 at the request of the Faculty Council of Mechanical Engineering. Currently, the leading research area pursued in the Department, within which we assume the continuation and further development of the Candidate's own competencies for employment in the position of Assistant Professor, is the multidisciplinary modelling of mechatronic and biomechatronic systems. Research in this area requires cooperation in the development of models that take into account dynamic interactions between various components of such systems, predict their behaviour or optimise their efficiency. The application of multidisciplinary modelling and identification techniques enables comprehensive analysis of the behaviour of dynamical systems and also helps in the development of various algorithms aimed at optimising their performance, which may be used in research on discontinuous dynamical oscillators, systems coupled with an electromagnetic field, friction-induced oscillators, biomechanical research and other related areas.

A new research direction in the development of the Department is the design and application of artificial neural networks for the study of complex systems. Planned research activities in this area will include the development of new algorithms and models for the analysis of data originating from various sources, such as measurement systems, image processing and electrical signal processing, which may serve the development of mathematical models or qualitative analysis of research results. The development of modern computational techniques and their application in various scientific fields pursued in the Department will be a key innovative factor driving its research activities in the coming years.

**Remarks:** *Lodz University of Technology has an internal procedure in place for reporting violations of law and undertaking follow-up actions.*



**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 .....
- 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 Lodz, 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](mailto: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)



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Annex no. 1.3  
to The OTM-R POLICY – OPEN TRANSPARENT MERIT-BASED RECRUITMENT

### **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/I have not\* been presented with the salary range for the position mentioned in the advertisement.**

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