Assistant Professor in the Research Staff Group (Post-doc)
at the Faculty of Civil Engineering, Architecture and Environmental Engineering

Employment for the implementation of the National Science Center (OPUS) project:
"Multilevel modeling of shear capacity based on research, simulations, and probabilistic methods (WMNSS)"
at the Department of Concrete Structures of the Lodz University of Technology
Contract: UMO-2023/51/I/ST11/00069

Lodz University of Technology is one of the best technical universities in Poland. It has an 80-year tradition and experience in educating staff and conducting scientific research. It is an attractive partner for business. It cooperates with the largest companies in the country and abroad. It conducts scientific research at the European level, creates new technologies and patents in cooperation with the best scientific centers around the world. One of the pillars of managing the Lodz University of Technology is equal treatment of employees 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 logo, confirming that the University applies the principles of the "European Charter for Researchers" and the "Code of Conduct for the Recruitment of Researchers".

Unit name: Lodz University of Technology; Faculty of Civil Engineering, Architecture and Environmental Engineering, Department of Concrete Structures

Position name: Post-doc in the Research Staff Group

Requirements:
- PhD degree in technical sciences in the discipline of Civil Engineering, Geodesy, and Transport, received in 2025 or within 7 years before January 1st, 2025
- Documented scientific achievements in the field of reinforced concrete structures;
- Ability to model and calculate structural elements in nonlinear analysis software (preferred Atena);
- Documented knowledge other software for nonlinear analysis of structures, knowledge of other software, and the ability to use a programming environment (e.g., Python) will be an additional advantage;
- Documented active participation in national and international scientific conferences and thematic symposia;
- Experience in designing and conducting experimental research in the laboratory;
- Ability to prepare scientific reports and publicly present research results in English;
- Ability to work in a team;
- Very good knowledge of English in speech and writing.

Desired additional skills:
- Independence and decision-making ability;
- Openness to new concepts, ease of learning.

Job description:
- Conducting experimental research in the laboratory;
- Evaluation and interpretation of experimental results;

- Performing calculations and numerical simulations in nonlinear analysis software Atena;
- Modeling the load-bearing capacity of concrete elements with steel and composite reinforcement, analysis of analytical models;
- Analysis of fracture mechanics and modeling of bending and shear capacity;
- Preparation of scientific publications;
- Presentation of results at national and international conferences.

NCN competition type: OPUS – ST

Application deadline: August 20th, 2025, by 12:00 PM

Application submission method: email: w6k61@adm.p.lodz.pl

Employment conditions:
Full-time employment contract from September 2025 for a period of 1 year with the possibility of extension up to 33 months. The salary will depend on the experience.
Salary: approximately PLN 10,750.00 per month (total cost to the employer)

Additional information:
List of required documents:
1. Application for employment to the Rector of TUL;
2. Personal questionnaire for a person applying for employment at the Lodz University of Technology, constituting Appendix No. 1.1 to the "OTM-R POLICY – OPEN TRANSPARENT MERIT-BASED RECRUITMENT PROCESS";
3. Data protection clause, constituting Appendix No. 1.2 to the "OTM-R POLICY – OPEN TRANSPARENT MERIT-BASED RECRUITMENT PROCESS";
4. Consent to the processing of personal data, constituting Appendix No. 1.3 to the "OTM-R POLICY – OPEN TRANSPARENT MERIT-BASED RECRUITMENT PROCESS";
5. Copies of diplomas;
6. Other documents confirming the qualifications.

Applications will be accepted until August 20th, 2025, by 12:00 PM at the email address: w6k61@adm.p.lodz.pl (please include "competition – **research assistant POST-DOC – NCN"**). Candidates will be able to collect the documents submitted in connection with the competition for a period of 30 days from the end of the competition.

Contact person and address for submitting documents and their scans:
Magdalena Sofijska; w6k61@adm.p.lodz.pl
Expected competition resolution date: August 31st, 2025

Notes:
- Applications received after the deadline will not be considered.
- The recruitment procedure has a two-stage format and will consist of the following stages:
  ✓ Stage 1 – analysis of recruitment documents submitted by candidates.
  ✓ Stage 2 – Interview with selected candidates.
- The competition committee reserves the right to contact selected candidates.

- Candidates will be notified of the competition results by email within 7 days after the resolution of the first stage of the competition.
- Aft Candidates will be notified of the competition results by email within 7 days after the er the competition procedure is completed, other candidates can collect the submitted documents within 30 days from the date of informing the Candidate about the negative verification of documents. After this period, all offers will be destroyed in accordance with the protocol.
- The Department of Concrete Structures of TUL does not return submitted documents to candidates.
- Planned employment date: September 2025.
- The resolution of the competition does not equate to establishing an employment relationship with the Lodz University of Technology.

We offer:
- Full-time employment based on an employment contract;
- Work in an institution with a well-established market position, guaranteeing stable and attractive employment;
- Opportunities for professional development;
- A rich package of social benefits (e.g., "holidays under the pear tree", subsidies for summer and winter holidays for children, subsidies for trips, own holiday centers);
- Group life insurance and private medical care;
- Kindergarten on the premises of the Lodz University of Technology;
- Parking on the premises of the Lodz University of Technology.

PERSONAL QUESTIONNAIRE FOR A PERSON APPLYING FOR EMPLOYMENT AT THE LODZ UNIVERSITY OF TECHNOLOGY

1. First name(s) and surname
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2. Date of birth
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3. Contact details
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4. Education (if it is necessary to perform work of a specific type or in a specific position)
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(name of the school and year of graduation)
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(profession, specialty, academic degree, professional title, academic title)

5. Professional qualifications (if they are necessary to perform work of a specific type or in a specific position)
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(courses, postgraduate studies, or other forms of knowledge or skills enhancement)

6. Previous employment history (if it is necessary to perform work of a specific type or in a specific position) ………………………………………………………………………
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(periods of employment with subsequent employers and positions held)

7. Additional personal data, if the law or obligation to provide them results from specific regulations
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(place and date)   (signature of the person applying
for employment)

Information clause for job candidates

In accordance with Article 13 of the Regulation (EU) 2016/649 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), we inform you:

The data controller is the Lodz University of Technology, located in Łódź, ul. Żeromskiego 116, with NIP: 727-002-18-95, tel. +48 42 631 29 29, represented by the Rector.

The Data Protection Officer has been appointed at the Lodz University of Technology (contact details: email address: iod@adm.p.lodz.pl, phone number: 42 631 20 39).

Your personal data within the scope indicated in labor law regulations will be processed for the purpose of the current recruitment process (Article 6(1)(b) of the GDPR), while other data, including contact details, will be processed based on consent (Article 6(1)(a) of the GDPR), which can be withdrawn at any time.

The Lodz University of Technology will process your personal data also in subsequent recruitment processes if you consent to it (Article 6(1)(a) of the GDPR), which can be withdrawn at any time.

If the documents contain data referred to in Article 9(1) of the GDPR, your consent to their processing will be necessary (Article 9(2)(a) of the GDPR), which can be withdrawn at any time. Labor law regulations: 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 documentation.

Personal data will be disclosed to persons authorized by the data controller and having access to personal data, processing them only on the instructions of this entity, unless required by European Union law or the law of a Member State.

Data retention period: Your data collected in the current recruitment process will be stored until the end of the recruitment process. If you consent to the use of personal data for future recruitment purposes, 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.

You have the right to:

access your data and receive a copy of it;

rectify (correct) your personal data;

restrict the processing of personal data;

delete personal data;

lodge a complaint with the President of the Personal Data Protection Office (to the address of the Personal Data Protection Office, ul. Stawki 2, 00-193 Warsaw).

Information on the requirement to provide data: Providing your personal data within the scope resulting from Article 221 of the Labor Code is necessary to participate in the recruitment process. Providing other data is voluntary.

………………………………………………
(signature of the person applying for employment)

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.

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(date and signature of the candidate)

*unnecessary to delete