

**Assistant in the research and teaching staff group
Department of Concrete Construction**

The Technical University of Lodz is one of the best technical universities in Poland. It has more than 75 years of tradition and experience in educating personnel 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 centres around the world. One of the pillars of Lodz University of Technology's management is the equal treatment of employees regardless of their gender, age, race or other demographic and social characteristics.

In 2016, PŁ was the first Technical University in Poland to be awarded 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'.

1. The requirements for the candidate (description of the exact knowledge, qualifications, competencies and professional experience):

- University degree and professional title of Master of Engineering in the field of technical sciences: construction,
- proven scientific achievements in the field of reinforced concrete and non-metallic reinforcement structures in the form of at least 3 publications in international scientific journals (from the Web of Science database) or worldwide publications,
- participation in national and international scientific conferences (2 papers from national conferences, 2 papers from international conferences)
- minimum 3 years of teaching practice in the field of reinforced concrete structures (high teaching competence certified by mid-term evaluation)

2. Definition of working conditions and entitlements related to the position.

- full-time
- start date: 1.10.2022

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

- conducting scientific research in the discipline of Engineering and Transport
- preparing scientific publications
- preparing proposals for national and international projects
- conducting didactic classes in Polish and English in the field of concrete structures
- organizational work for the University, Faculty, Department.

4 List of required documents:

- 1) Application for employment to the JM Rector of the Technical University of Łódź;
- 2) Personal questionnaire for a person applying for employment at the Technical University of Łódź, constituting Attachment No. 1.1 to "POLICY OTM-R - OPEN MERITORIAL RECRUITMENT PROCESS";
- 3) Data Protection Clause attached as Annex 1.2 to the "OPEN MERITORIAL RECRUITMENT POLICY - OPEN MERITORIAL RECRUITMENT PROCESS";
- 4) Consent to the processing of personal data, constituting Annex No. 1.3 to the "OTM-R POLICY - OPEN TRANSPARENT MERITORIAL RECRUITMENT PROCESS";

- 5) copies/copies of diplomas;
- 6) description of academic achievements;
- 7) other documents proving qualifications.

5. Place, form and deadline for submission of documents (with indication of the possibility of their collection).

Documents should be:

- be submitted to the secretariat of the Department of Concrete Construction of the Technical University of Łódź,
93-590 Łódź, Al. Politechniki 6, building B7, 2nd floor, room no. 203),
- or send by post to the mailing address: Technical University of Lodz Department of Concrete Construction, 90-924 Lodz, 116 Żeromskiego Street,
- or sent by e-mail to w6k61@adm.p.lodz.pl
by 17 August 2022 until 14:30.

Candidates will be able to collect the submitted documents for a period of 30 days from the closing date of the competition.

6 Contact person and postal and electronic address to which documents and scans can be sent.

Dorota Szałapska
Technical University of Łódź, Department of Concrete Construction
90-924 Łódź, u. Żeromskiego 116
w6k61@adm.p.lodz.pl

7 Anticipated date of the outcome of the competition: August 2022.

8. Description of the profile of the unit announcing the competition:

Scientific and research activity

The scientific activity includes a number of doctoral theses, postdoctoral theses, research projects carried out as part of development projects, which include:

1. research on reinforced concrete elements strengthened with the use of materials carbon fibre composite materials;
2. research on slab-to-column structural elements;
3. testing of reinforced short cantilevers;
4. testing of prestressed beams and slabs;
5. testing of concrete elements using composite reinforcement.

Tests for the civil engineering industry are mainly:

- strength testing of concrete and steel;
- tests on the physical characteristics of construction materials and products;
- testing of prefabricated concrete elements diagnostics of structural elements;
- "in situ" testing including non-destructive testing.

The KBB laboratory has PCA accreditation confirmed in 2022 by certificate no. AB 536.

Research carried out in KBB will be disseminated in the Łódź Metropolitan Area as part of the Łódź Region Development Strategy 2030. The scope of research and scientific activity in question is part of the Regional Specialisations, which was confirmed by the inclusion of this project in the Territorial Contract for the Łódź Province. To the greatest extent it fits into the

specialisations: Advanced Building Materials. The Łódź University of Technology has undertaken a project called Interdisciplinary Research and Development Centre for Advanced Materials and Intelligent Management Systems in Construction 2020+ at PŁ, aimed at increasing the competitiveness of the Łódź Province's economy in the domestic and global markets through modernisation and technological progress in the broadly defined construction industry.

9. If sending documents by traditional mail, the envelope should be marked "job applicant offer".