ANNOUNCEMENT

THE LEADER OF THE STRUCTURAL INTEGRITY ASSESSMENT RESEARCH GROUP
AT THE DEPARTMENT OF FUNDAMENTALS OF MACHINERY DESIGN
OF THE FACULTY OF MECHANICAL ENGINEERING,
SILESIAN UNIVERSITY OF TECHNOLOGY

announces the call for applications for the position of assistant professor in the research staff group (post-doc)

Project: Weave-UNISONO – National Science Centre, Poland (NCN)

Project title: Methodology for adaptive accelerated fatigue testing of thermoplastic composites considering the self-heating effect

Project number: 2025/07/Y/ST8/00182

Institution: Silesian University of Technology, Faculty of Mechanical Engineering, Department of Fundamentals of Machinery Design

Position: Assistant Professor in the research staff group (post-doc)

Number of positions: 1

Type of employment: Full-time employment contract

Duration of employment: 30 months, starting on 1 March, 2027

Monthly salary: PLN 9 333.66 gross

Project funding: National Science Centre, Poland (NCN), Weave-UNISONO programme

Application deadline: 10 January, 2027 (11:59PM CET)

Expected date of selection results: 25 January, 2027

Incomplete or late applications will not be considered.

1. Description of the position

The Silesian University of Technology invites applications for the position of Assistant Professor in the research staff group (post-doc) at the Department of Fundamentals of Machinery Design, Faculty of Mechanical Engineering, within a research project funded by the National Science Centre, Poland, under the Weave-UNISONO programme.

The successful candidate will participate in experimental and numerical research concerning fatigue testing, degradation mechanisms, and the development and validation of a degradation model. The research will involve the analysis of experimental data obtained during fatigue tests, including low-frequency and ultrasonic fatigue testing of polymer-matrix composites, as well as the preparation of research results for scientific publications.

The candidate will work in an interdisciplinary and international research environment and collaborate with the project team on experimental investigations, data processing, model development, and the interpretation and dissemination of research results.

2. Main responsibilities

The successful candidate will be responsible for the following tasks:

1. Participation in planning testing campaigns within the tasks related low-frequency and ultrasonic fatigue tests.
2. Participation in the preparation of the experimental setup within the task related to low-frequency fatigue tests.
3. Participation in the development and adaptation of software for measurement data processing, as well as in the evaluation of the developed software within the task related to low-frequency fatigue tests.
4. Participation in fractographic analysis and evaluation of degradation mechanisms in specimens subjected to low-frequency fatigue tests.
5. Participation in the modeling of damage response and the development of the degradation model.
6. Participation in the evaluation of results obtained during degradation model validation.
7. Participation in the final evaluation of experimental research results and preparation of data for control of ultrasonic fatigue tests.
8. Participation in the preparation of scientific papers for publication in international peer-reviewed journals.

3. Requirements for candidates

Candidates must meet the following requirements:

1. A PhD degree in mechanical engineering or a related engineering discipline.
2. Documented experience in conducting scientific research, including fatigue testing and the assessment of the mechanical properties of various materials and structures, evidenced by scientific publications and/or participation in research and development projects.
3. At least five years of experience in performing fatigue and static tests, confirmed by the head of the relevant internal organisational unit.
4. At least five years of employment in a institution conducting research in mechanics or materials science (including PhD studies).
5. Experience in fatigue data processing and evaluation.
6. A record of high-quality scientific publications in the field of fatigue testing.
7. Experience in conducting research activities abroad, with a minimum duration of one month.
8. Professional proficiency in English.

4. Required application documents

Candidates are requested to submit the following documents:

1. A cover letter outlining their motivation for applying and suitability for the position.
2. A curriculum vitae (CV), including information on education, academic employment, research experience, research projects, and international research experience.
3. A copy of the PhD diploma or an equivalent document confirming the award of the degree.
4. A list of scientific publications, highlighting those most relevant to the advertised position.
5. Documents confirming experience in fatigue and static testing, including confirmation from the head of the relevant department.
6. Documents confirming participation in research and/or development projects and other relevant research activities, where applicable.
7. A statement confirming professional proficiency in English.

8. A signed statement consenting to the processing of personal data for the purposes of the recruitment procedure, in accordance with applicable regulations.

Additional documents may be requested during the recruitment procedure.

5. Terms and conditions of employment

- **Position:** Assistant Professor in the research staff group (post-doc).
- **Employment type:** Full-time employment contract.
- **Employment period:** 30 months, starting on 1 March 2027.
- **Monthly remuneration:** PLN 9,333.66 gross.
- **Place of work:** Department of Fundamentals of Machinery Design, Faculty of Mechanical Engineering, Silesian University of Technology, Gliwice, Poland and Department of Biomechatronics, Faculty of Biomedical Engineering, Silesian University of Technology, Zabrze, Poland.
- **Research project:** Weave-UNISONO, funded by the National Science Centre, Poland.

Employment will be subject to the applicable regulations of the Silesian University of Technology and the conditions governing employment of researchers in projects funded by the National Science Centre, Poland.

6. Application procedure

Applications should be submitted electronically to:

Contact person: Andrzej Katunin, PhD, DSc, prof. SUT

E-mail address: andrzej.katunin@polsl.pl

Application subject: *Application for the post-doc position – Weave-UNISONO project*

The application must include all documents listed in Section 4.

The deadline for submitting applications is 10 January, 2027 (11:59PM CET).

Applications received after the deadline or applications that do not contain the required documents will not be considered.

7. Selection procedure

The selection procedure will be based on an assessment of the submitted documentation, including the candidate's scientific achievements, research experience, experience in fatigue testing, publication record, and suitability for the tasks planned within the project.

Candidates may be invited for an interview to discuss their research experience, scientific achievements, and proposed contribution to the project.

The recruitment committee reserves the right to contact selected candidates for additional information or clarification of the submitted documents.

Planned date of announcing the results: 25 January, 2027

8. Additional information

Further information about the project and the position can be obtained from:

Project principal investigator: Andrzej Katunin, PhD, DSc, prof. SUT

E-mail: andrzej.katunin@polsl.pl

The Silesian University of Technology reserves the right to cancel the recruitment procedure or to close the competition without selecting a candidate, in accordance with applicable regulations.

Informative Clause

In accordance with Article 13 of 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, hereinafter referred to as the "GDPR"), please be informed that:

1. **The controller of your personal data** is the Silesian University of Technology, with its registered office at ul. Akademicka 2A, 44-100 Gliwice, Poland.

2. **The Data Protection Officer** appointed by the Silesian University of Technology can be contacted by e-mail at: iod@polsl.pl.

3. **Your personal data will be processed** for the purpose of conducting the recruitment procedure for the position of Assistant Professor in the research staff group (post-doc) within the Weave-UNISONO project funded by the National Science Centre, Poland, at the Department of Fundamentals of Machinery Design, Faculty of Mechanical Engineering, Silesian University of Technology.

4. **The legal basis for processing your personal data** is Article 6(1)(c) GDPR, in conjunction with Article 22^1 of the Polish Labour Code of 26 June 1974 and the Act of 20 July 2018 – Law on Higher Education and Science. Where you provide personal data beyond the scope required by law, the legal basis for processing such data is your consent pursuant to Article 6(1)(a) GDPR. Where applicable, the processing of special categories of personal data is based on Article 9(2)(a) GDPR.

5. **Your personal data will not be disclosed to other recipients**, except where disclosure is required by applicable law. Your data may also be made available to entities providing technical and organisational support to the Silesian University of Technology, including IT service providers, in accordance with applicable data protection regulations.

6. **Your personal data will be retained** for the period necessary to conduct and document the recruitment procedure and subsequently for the period required by applicable law. If you separately consent to the processing of your personal data for future recruitment procedures, your data may be retained for up to six months following the conclusion of the current recruitment procedure, unless you withdraw your consent earlier or applicable regulations require a different retention period.

7. **You have the right to request access to your personal data and to obtain a copy thereof**, as well as, where provided for by applicable law, to request rectification, erasure or restriction of processing. You also have the right to object to processing where the relevant legal conditions are met and the right to withdraw your consent at any time, without affecting the lawfulness of processing carried out before its withdrawal.

8. **You have the right to lodge a complaint** with the President of the Personal Data Protection Office (Prezes Urzędu Ochrony Danych Osobowych) if you consider that the processing of your personal data infringes the GDPR.

9. **Providing personal data required by law is necessary** for the recruitment procedure. Failure to provide such data may prevent your application from being considered. Providing additional data on the basis of consent is voluntary.

Leader of the Structural Integrity Assessment
Reseach Group

Andrzej Katunin, PhD, DSc, prof. SUT