

Job Offer (Specialist Supporting Position)

The Faculty of Mechanical Engineering at Silesian University of Technology, Gliwice Poland, hereby announces a competition for “**Specialist Supporting Position**” in context of the research project titled: “**Deciphering laser-microstructure interaction in multicomponent alloys (DECLARMIMA)**”. The DECLARMIMA project (UMO-2021/42/E/ST5/00339) is funded by the Narodowe Centrum Nauki (NCN) within the SONATA BIS 11 framework.

Requirements:

1. Bachelors’s degree awarded in the field of Physics, Informatics, Chemistry, Mathematics, Materials engineering, Mechanical engineering, Arts, Management, or Technology.
2. Good background in at least one of the following methods: (1) Machine Learning, (2) Linux computing, (3) Web app development, (4) Attention mechanism (AI) .
3. **Aptitude for learning concepts from interdisciplinary field** ;
4. Ability to communicate fluently in English language and Polish Language;
5. Ability to work independently as well as work together in team;
6. Experienced at programming with **python language**.

Description of tasks:

The task of the person (LM3) employed in the **Specialist Supporting Position** is to work together with the principal investigator (PI) for the maintenance and expansion of the research laboratory within the framework of DECLARMIMA project. The LM3 will contribute in the task of developing the lasermicrostructureLLM.

The specific tasks are as following:

1. Collection of text-based data (mainly from publications and preprints related to DECLARMIMA project);
2. Extract metadata from the publications/preprints of the project.
3. Create or design instruction-response templates from the data and metadata.
4. Perform supervised finetuning (SFT) of LLMs with the instruction-response pairs constituted by laser-microstructure interaction features.

NCN call for proposals type: SONATA BIS - ST

Deadline for submission of tenders: 10.05.2025 (17:00 CEST)

Form of tender submission: email

Terms of Employment:

Place of work: Faculty of Mechanical Engineering, Silesian University of Technology, Gliwice, Poland.

Announcement of competition results: **As soon as possible**

Duration of employment: **10 months**

Working hours: Full time (40 h/week).

Date of commencement of employment: **As soon as possible.**

Additional Information:

Application procedure:

The application should contain the following documents/information:

1. CV including the following information (list of scientific achievements, awards and distinctions for scientific activity , code contribution) ;
2. Copy of the Bachelor’s degree diploma or equivalent document ;

3. Application letter or letter of motivation (maximum 1 page);
4. Acronym for reference of this position (Reference: D-LM-2025-4).

In addition to the above documents, please prepare a document consisting of the following statement: "I consent to the processing of my personal data for the purpose of recruitment in accordance with Art. 6 sec. 1 letter a of the Regulation of the European Parliament and of the Council (EU) 2016/679 of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46 / EC (general regulation on data protection). "

Application document (all of the documents combined together in a single pdf file) in English should be sent electronically to the principle investigator (PI) of the project Dr. Anil Kunwar (e-mail address: anil.kunwar@polsl.pl). It is recommended to include the job reference (Reference: **D-LM-2025-4**) in the subject of the email message.