

## JOB OFFER

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| Position in the project:                      | <i>Student (scholarship)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Scientific discipline:                        | <i>civil engineering</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Job type:                                     | <i>scholarship</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Number of job offers:                         | <i>1</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Remuneration/stipend amount/month             | <i>1 500 PLN of full remuneration cost (scholarship)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Position starts on:                           | <i>1.03.2023</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Maximum period of contract/stipend agreement: | <i>max. 4 months</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Institution:                                  | <i>Lublin University of Technology, Faculty of Civil Engineering and Architecture / Lublin</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Project leader:                               | <i>Prof. Wojciech Franus</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Project title:                                | <p><i>Fly ashes as the precursors of functionalized materials for applications in environmental engineering, civil engineering and agriculture</i></p> <p><b>Project is carried out within the TEAM-NET programme of the Foundation for Polish Science</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Project description:                          | <p><i>This TEAM-NET joint project assumes using fly ashes as a precursors for the synthesis of novel functionalized materials with the structure of not only zeolites, but also mesoporous silica materials and metal-organic frameworks (MOFs). Then produced materials will be tested for possible applications in agriculture, civil and environmental engineering. With the implementation of new technologies of coal combustion and flue gas treatment, new types of fly ashes with increased content of unburned carbon (up to 30%) have been produced. Such byproducts will be used in this project for the synthesis of novel zeolite-carbon composites. Previous work related to the use of this type of fly ashes was focused on the separate production of zeolites or activated carbons, which did not fully exploit the potential of the above-mentioned byproducts. Their use as a precursor to the synthesis of a zeolite-carbon-vermiculite composite in this project will also pave the way for developing a novel material to replace vermiculite raw materials in agricultural applications. With this announcement, we are looking for a Postdoc for the work-package #2 "Novel (bio-)mineral mixtures for civil engineering". The aim of WP #2 is among others the development of the technique of microbially induced calcium carbonate precipitation for sandy soil biocementation purposes.</i></p> |
| Key responsibilities include:                 | <ol style="list-style-type: none"> <li><i>1. Assistance in laboratory works including preparation and testing bio-healing agents, testing of physical and mechanical properties of building materials containing bio-healing agents and of precipitates formed during MICP processes</i></li> <li><i>2. Preparing of data sheets for analysis of the results.</i></li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Profile of candidates/requirements:           | <ol style="list-style-type: none"> <li><i>1. The candidate must be a student of 1<sup>st</sup> (Bachelor) or 2<sup>nd</sup> (Master) degree in the field of civil engineering.</i></li> <li><i>2. The candidate must be fluent in English (both speaking and writing) enabling communication and understanding of publication texts.</i></li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|                                                                             | 3. <i>Preferentially, the candidate should have predispositions for scientific and organizational work.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Required documents:                                                         | <ol style="list-style-type: none"> <li>1. <i>Written application for the competition.</i></li> <li>2. <i>Curriculum vitae including (with the note "I consent to the processing of my personal data contained in the offer for the purposes of the recruitment process in accordance with the Personal Data Protection Act of 29.08.1997, Journal of Laws No. 101, item 926, as amended.").</i></li> <li>3. <i>Subject of current research (engineering (bachelor) or master's).</i></li> <li>4. <i>Copies of obtained diplomas.</i></li> <li>5. <i>Documented information about completed courses and trainings.</i></li> <li>6. <i>Other activities (scientific clubs/circles, student conferences).</i></li> <li>7. <i>Signed Declaration No. 1</i></li> </ol> |
| Please submit the following documents to:                                   | <i>All documents must be sent as a single PDF file (if too big, the copies of diplomas may be sent as an independent file) by email to <a href="mailto:j.fronczyk@pollub.pl">j.fronczyk@pollub.pl</a>, indicating the reference mentioned in the beginning of this call, in the subject line.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Application deadline:                                                       | 27.02.2023, 14:00 Central European Time (CET)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| For more details about the position please visit (website/webpage address): | <a href="https://www.fnp.org.pl/oferta_pracy">https://www.fnp.org.pl/oferta_pracy</a><br><a href="http://wbia.pollub.pl/pl/praca">http://wbia.pollub.pl/pl/praca</a><br><a href="http://www.wggios.agh.edu.pl/studenci">http://www.wggios.agh.edu.pl/studenci</a><br><a href="https://www.biol.uw.edu.pl/ogloszenia-praca/">https://www.biol.uw.edu.pl/ogloszenia-praca/</a>                                                                                                                                                                                                                                                                                                                                                                                      |
| Appeal                                                                      | <i>Possible appeals against the decision should be sent to prof. Wojciech Franus (project coordinator, <a href="mailto:w.franus@pollub.pl">w.franus@pollub.pl</a>) no later than 7 days after receiving the decision, i.e. the date of results announcement. In the protest an explicit justification have to be included.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## CONSENT CLAUSE

I hereby declare that I have read the recruitment conditions for the **Student (scholarship) #4** position specified in the open competition **announced by the Rector of Lublin University of Technology for the Student (scholarship) position in the Faculty of Civil Engineering and Architecture, Department of Geotechnics** and I also agree to the processing of my personal data for the purpose of the recruitment process.

.....  
Place, date

.....  
Signature

## INFORMATION ON THE PERSONAL DATA PROCESSING INFORMATION CLAUSE

Pursuant to Art.13 par. 1 and 2 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) (Official Journal of the European Union, L119, 4 May 2016, p.1), hereinafter referred to as "GDPR", we kindly inform that:

- The Administrator of your personal data is Lublin University of Technology headquartered at Nadbystrzycka 38 d Str., 20-618 Lublin;
- Tomasz Joński has been appointed as the Personal Data Protection Inspector; e-mail - [t.jonski@pollub.pl](mailto:t.jonski@pollub.pl);
- Your personal data will be processed by the Administrator on the basis of Art. 6 par. 1 (a) (c), within the scope of generally applicable law regulations as well as an application form, to carry out the recruitment process for the **Student (scholarship) #4** position. The legal basis for data processing is your consent;
- In the case of the decision on the qualification and admission to the competition position, paper-based documentation accepted by the committee shall be

forwarded to the Human Resources Department of Lublin University of Technology to carry out the recruitment process as well as to begin the employment procedure;

- The Administrator shall not share your personal data with any recipients, except for the cases where such an obligation results from generally applicable law regulations;
- The Administrator shall store your personal data during the recruitment process resulting from the university's internal legal acts, but no longer than for 2 years from the date of submitting your application form;
- You have the right to access your personal data content, the right to demand its rectification, deletion, processing restriction as well as objecting to its processing. You also have the right to lodge a complaint to the regulatory organ – the President of the Personal Data Protection Office in the case of suspicion that your personal data is being processed by the Administrator breaching the law regulations;
- Withdrawal of consent to your personal data processing shall not affect the compliance with the law of the data processing, made on the basis of the consent before it has been withdrawn;
- Expressing consent to the personal data processing is voluntary, however, the lack of consent shall result in the inability to participate in work recruitment.