

TRAINEESHIP OFFER

TRAINEESHIP INFORMATION	
Project title	BioTrainValue- BIOmass Valorisation via Superheated Steam Torrefaction, Pyrolysis, Gasification Amplified by Multidisciplinary Researchers TRAINing for Multiple Energy and Products' Added VALUEs
Faculty/Institute	Faculty of Process and Environmental Engineering W9
Description of main activities	Development of the concept and design of individual components of the pilot installation, i.e. a biomass torrefaction reactor; assembly of apparatus components, insulation assembly, assembly of control and measurement elements, and initial commissioning of a pilot installation; research on the torrefaction process for various types of biomass: kinetics of the drying process, determination of the torrefaction rate on the basis of gas emission from the torrefaction process (CO, CO ₂); Development of algorithms for process design based on drying and torrefaction tests, assessment of the quality of products created as a result of torrefaction and their possible market applications.
Start Date	01.01.2024
End date	01.01.2027
Working hours per week	30
Salary	Not-applicable
Other	The internship period is applicable from 3 to 12 months.
COMPETENCES, SKILLS and EXPERIENCE REQUIREMENTS	
Student profile	Passionate for laboratory work, following the literature, easy-going
Type and level of studies	Environmental engineering, process engineering, chemical engineering and the relevant studies of them. Master's student or Doctoral student.
Languages and level of competence required	Minimum B2 level English
Desired skills	At least 1 year of experience in the research laboratory. Basic knowledge of biomass conversion methods.
Nationality	Any
Other	
CONTACT DETAILS	
Contact person for this traineeship	Dr. Szymon Szufa
Faculty/Institute	Faculty of Process and Environmental Engineering W9 Department of Safety Engineering, Lodz Politechnika

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Direct telephone number	+48 606134239
E-mail address	Szymon.szufa@p.lodz.pl
APPLICATION PROCEDURE	
Who to apply to	internship@p.lodz.pl International Cooperation Centre, Student Mobility Division 36 Żwirki Street 90-539 Łódź Tel. 48 42638 38
Deadline for applications	No later than 2 months before traineeship starts
Application process	<p>Students send their applications - written in English, including:</p> <ul style="list-style-type: none"> ✓ cv ✓ cover letter ✓ letter of support/reference from home University (signed and stamped) ✓ Transcript of Records <p>to the following email address: internship@info.p.lodz.pl</p> <p>Please note:</p> <ul style="list-style-type: none"> ✓ students enrolled at any University may apply ✓ students coming to TUL for a traineeship do not receive a student status ✓ selected traineeship must be clearly specified in the application – please check our website to choose the Faculty in which you would like to carry out the traineeship and specify dates of your stay ✓ an on-line or personal interview can be performed ✓ TUL does not provide any financial assistance to international students realizing traineeships at our institution ✓ students must acquire valid health, liability and accidental insurance on the territory of Poland for the entire period of stay - TUL does not provide any insurances for students ✓ trainees may have the option of accommodating in our dorms - depending on the availability of places ✓ a pick-up in Lodz, student mentor and a programme of leisure activities will be offered by ESN-EYE Lodz organization ✓ depending on your citizenship – visa might be required: http://www.msz.gov.pl/en/p/msz_en/travel_to_poland/visa/ <p>✓ only complete applications send to the email address mentioned above will be considered</p>

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GENERAL INFORMATION ABOUT TUL

Name of organization	Lodz University of Technology
Address	116 Żeromskiego Street 90 – 924 Lodz, Poland
Website	https://www.p.lodz.pl/en
Short description of TUL	<p>Lodz University of Technology is a well-established higher education institution with an evolved structure. Prospective students have nine faculties to choose from as well as many additional units which enable interdisciplinary studies, provide study support, foreign language instruction, entertainment and sports.</p> <p>Why Lodz University of Technology:</p> <ul style="list-style-type: none"> • Strong position in university rankings • Holder of the prestigious quality certificates ECTS Label and Diploma Supplement Label • Recognized by students as PROStudent University 2011. The title was awarded by the Student Parliament of the Republic of Poland • Innovative - TUL has ranked second in the number of patent applications filed and granted per employee according to the Patent Office of the Republic of Poland. It is the only Polish university in the European Consortium of Innovative Universities. • Mobility friendly – student exchange programs for Polish students as well as for foreigners • Active student life – those with high doses of energy can vent it out by joining any of our sports sections, international student organizations and associations or student circles at TUL • International student mentoring program carried out by ESN-EYE Łódź