



TRAINEESHIP OFFER

| TRAINEESHIP INFORMATION | |
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| Project titles: | <ol style="list-style-type: none">1. Numerical modeling of heat transfer / or moisture transfer / or heat and moisture transfer inside the complex textile structures and products.2. Nanocomposite cellulose fibers.3. 3D dosimetry in radiotherapy. |
| Faculty / Institute | Department of Mechanical Engineering, Informatics and Chemistry of Polymer Materials, Lodz University of Technology |
| Description of main activities | <ol style="list-style-type: none">1. Numerical analysis, description of heat transfer, description of textile structures, determination of temperature field, visualization of results.2. Modification of cellulose fibers, fibers properties estimation, fibers spinning.3. Participation in research related to 3D radiotherapy dosimetry of ionising radiation; work in a chemical laboratory, basic research towards application studies. |
| Location | Lodz University of Technology, Lodz, Poland |
| Start Date | <ol style="list-style-type: none">1. January / February 20212. March 20213. January 2021 |
| Duration | <ol style="list-style-type: none">1. 3 – 5 months; preferably 4 months2. 3 months3. 3-6 months (preferably 6 months) |
| Working hours per week | <ol style="list-style-type: none">1. 20-30, depends on the final formulation of problem2. 20-30, depends on the final formulation of problem3. 20-30, depends on the final formulation of problem |
| Salary | No financial contribution. |
| Other | None |
| COMPETENCES, SKILLS AND EXPERIENCE REQUIREMENTS | |
| Student profile | <ol style="list-style-type: none">1. Knowledge of: numerical methods in engineering, basic modeling techniques, processing programs, graphical visualization.2. The student should have a basic knowledge of the methods of fiber formation and know the basic methods of fiber properties assessment.3. Eager to work in a chemical laboratory, knowledge of chemistry and polymer/radiation chemistry adequate to level of studies or higher. |
| Type and level of studies | <ol style="list-style-type: none">1. MSc studies, a higher semester (final semester preferable). |



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| | 2. – 3. MSc studies, a higher semester (final semester preferable). |
| Languages and level of competence required | Fluent in English, knowledge of English at B2 level is required. |
| Desired skills | 1. Engaged to work, man of initiative, knowledge of mechanics, material engineering and informatics. 2. Minimum work experience in a chemical laboratory 3. Hard working, passionate in chemistry |
| Other | None |

CONTACT DETAILS

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| Contact person for this traineeship | Professor Ryszard Korycki, D.Sc., Ph.D. |
| Faculty /Institute | Department of Mechanical Engineering, Informatics and Chemistry of Polymer Materials, Lodz University of Technology, Lodz, Poland |
| E-mail address | ryszard.korycki@p.lodz.pl |

APPLICATION PROCEDURE

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| Who to apply to | Ewa Jarzębowska ewa.jarzebowska@p.lodz.pl International Cooperation Centre, Student Mobility Division 36 Żwirki Street 90-539 Lodz tel. +48 42 638 38 68 |
| Deadline for applications | No later than 2 months before traineeship starts. |
| Application process | Students send their applications - written in English, including: <ul style="list-style-type: none"> ✓ cv ✓ cover letter ✓ letter of support/reference from home University (signed and stamped) ✓ Transcript of Records to the following email address: ewa.jarzebowska@p.lodz.pl Please note: <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/
- ✓ only complete applications send to the email address mentioned above will be considered

GENERAL INFORMATION ABOUT TUL

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| 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 organisations and associations or student circles at TUL • International student mentoring program carried out by ESN-EYE Łódź |