













9th place in Poland among academic universities*

in the 2025 university ranking of the educational magazine "Perspektywy"





HIGH POSITION ON THE INTERNATIONAL STAGE

Lodz University of Technology is listed in the most prestigious and most widely commented international university rankings, including:













AWARDS AND DISTINCTIONS

Lodz University of Technology is also highly ranked in institutional assessments and accredited by international organizations, which is a confirmation of high quality of education, research and management.













IN THE ELITE NETWORK

Lodz University of Technology is **one of the 13 European universities affiliated with ECIU** – the European Consortium of Innovative Universities.

- in 2024, TUL had the highest number of students among all member universities participating in ECIU micromodules and challenges;
- TUL researchers benefited from grants under the ECIU Researcher Mobility Fund programme;
- implementation of the JUMP educational project;
- coordination of the ECIU4Ukraine project;
- participation in international and interdisciplinary research groups.









TUL positively evaluated in the evaluation of scientific disciplines evaluated for the activities carried out in 2017 - 2021

A+

Chemical engineering,
Chemical sciences,
Nutrition and food technology

A {

Information and communication technology,
Materials engineering,
Mechanical engineering,
Mathematics,
Physical sciences,
Management and quality studies.

B+

Architecture and urban planning, Automation, electronic and electrical engineering, Civil engineering and transport.





SCIENCE AND RESEARCH

TUL conducts extensive research through interdisciplinary teams.

The University actively participates in international research projects centrally managed by the European Commission

- **19 Horizon Europe** with a total value **of € 6 518 139**,
- **2 European Defence Fund** with a total value of € 390 565,
- 1 Digital € 778 459,
- 1 LIFE € 338 120,
- 1 Culture € 66 589.





SCIENCE AND RESEARCH

From 2017 to 2023, TUL received funding from:

- NCN:
 190 projects with a total value of PLN 111,527,785;
- POWER:
 40 projects with a total value of PLN 17,938,994;
- POIR:
 37 projects with a total value of PLN 341,670,043;
- LEADER (NCBR):
 13 projects with a total value of PLN 15,783,725.88;
- other international:
 12 projects with a total value of PLN 10 739 402.





ICRI-BIOM, THE ONLY MAB IN ŁÓDŹ, AND 1 OF 14 IN POLAND

International Centre for Research on Innovative Biobased Materials (ICRI-BioM) - International Research Agenda is established in collaboration with the German Max Planck Institute for Polymer Research in Mainz. The research centre combines **biotechnology and nanotechnology** to sustainably address global scientific challenges.

Research topics include:

- Biologically-derived polymers,
- Biology-inspired nanomaterials for optoelectronics,
- Advanced additive manufacturing,
- 2D materials for biomedicine,
- Hydrogels for tissue engineering,
- CO2 conversion and green energy production.





SCIENCE AND RESEARCH

Lodz University of Technology is among the 20 Polish universities implementing the "Excellence Initiative - Research University" program.

Participation in this program provides TUL with an additional budget of 2% of the basic subsidy.

These funds enabled the initiation of new activities to enhance the quality of research at Lodz University of Technology. One of them is the introduction of awards supporting the scientific excellence of employees, doctoral students, and students.

For more information on the program's implementation, see the report "Excellence Initiative - Research University at Lodz University of Technology".





POLISH MAP OF RESEARCH INFRASTRUCTURE

The Ministry of Science and Higher Education has published a list of **70 distinguished scientific projects** of significant socio-economic importance. Among them are **7 from TUL**:

- PolFEL Polish Free Electron Laser,
- E-XFEL Free Electron Laser,
- ESS European Spallation Source,
- RAPID Centre for Radiological Research and Technology,
- National Photovoltaic Laboratory (NLF),
- PIONIER-LAB National Platform for the Integration of Research Infrastructures with Innovation Ecosystems,
- National Data Repository. Universal Infrastructure for Data Storage and Sharing and Efficient Processing of Large Data Volumes.





TECHNOLOGY TRANSFER



Best Polish university in the number of patents granted according to the 2023 ranking of the Polish Patent Office



patents granted by the Polish Patent Office



patented applications filed with the Polish Patent Office





CENTER OF INNOVATION AND ENTREPRENEURSHIP

Center of Innovation and Entrepreneurship (CIE) promotes the Lodz University of Technology as a research centre that offers innovative technologies of global standards.

CIE offers training and advisory services addressed mainly to graduates and young scientists who want to implement their business ideas and set up their own companies. It offers individual consultations with experts to help choose an effective strategy for the commercialisation of technology and find a business partner.

Activities undertaken by the CIE are supported by a commercial company - Tulventure of Lodz University of Technology.



TUL IN CLUSTERS

Lodz University of Technology is a member of clusters that integrate scientific and research units.

Among others, it belongs to:

- With the initiative of Lodz University of Technology, the Lodz ICT Cluster was established, bringing together 40 companies from the IT and telecommunications sectors and the three largest universities in Lodz.
- Lodz Energy Wave Cluster, which aims to ensure local energy security, improve the environment and increase competitiveness and economic efficiency of the economy.
- Nationwide **Logistics cluster**, bringing together scientific and research units and practitioners from the transportation, freight forwarding, logistics sector.





LODZ UNIVERSITY OF TECHNOLOGY IN ITER

Scientists from the Department of Microelectronics and Computer Techniques have been participating in the ITER project - International Thermonuclear Experimental Reactor for 14 years.

It is the construction of an experimental thermonuclear reactor with a tokamak design, also called the "Artificial Sun". It is the world's largest project of this kind, with a value exceeding 25 billion euros.

TUL research group conducts studies in the design and implementation of complex computer-electronic systems, which will be installed in the reactor, for data acquisition, thermonuclear plasma diagnostics, and machine control.





TREX CENTER OF EXCELLENCE

Lodz University of Technology is one of the partners of the **TREX Center of Excellence**, financed under the Horizon 2020 programme.

Researchers from the Institute of Physics of Lodz University of Technology are involved in the creation of quantum simulation programs, which will be used for the development of computers capable of reaching the computing power of 1 exaflops i.e. 1 000 000 000 000 000 000 or 1x1018 operations per second!

The project will last 36 months. Its total budget is 5 million euro.

TREX is a consortium of 12 partners from the Netherlands, France, Italy, Germany, Slovakia and Austria.





HAND REHABILITATION DEVICES; HUMAN-CENTERED AND SOFT ROBOTS



















product authentication





wastewater generated by the textile industry



SCIENTIFIC PUBLICATIONS 2019-2023

Based on:	Scopus and SciVal	Web of Science and InCities tools
Hirsch index	82	74
Number of publications	6 153	5 610
Number of citations	75 683	65 119
Number of publications with CiteScore/Impact Factor	5 507	4 825



RESEARCH PROJECTS

Faculty of Mechanical Engineering

Faculty of Electrical, Electronic, Computer and Control Engineering

Faculty of Chemistry

Faculty of Textiles and Design

Faculty of Biotechnology and Food Sciences

Faculty of Civil
Engineering, Architecture
and Environmental
Engineering

Faculty of Technical
Physics, Information
Technology and Applied
Mathematics

Faculty of Organization and Management

Faculty of Process and Environmental Engineering





INTERDISCIPLINARY DOCTORAL SCHOOL

The Interdisciplinary Doctoral School (IDS) aims to promote education in English and develop research in 12 disciplines.

IDS plays a pivotal role in facilitating the selection and **networking of doctoral candidates**, and the **supervisor**, providing scientific supervision.

IDS organizes open lectures for foreign-language researchers, doctoral candidates and students.





STEER YOUR FUTURE WITH IDS

architecture and urban planning

automation, electronic, electrical engineering and space technologies

Information and communication technology

chemical engineering



materials engineering

mechanical engineering



chemical sciences

physical sciences



nutrition and food technology



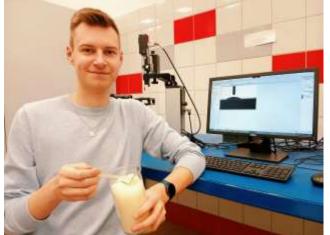
SUPPORT FOR TOP STUDENTS

Winners of the E²TOP - Excellence in Engineering programme: Talents in Research with Opportunities Programme will pursue an individualized study path under the guidance of a research mentor and undertake their studies at the world's top research centres and receive an additional scholarship.











E²TOP Excellence in Engineering: Talents in Research with Opportunities Programme















INTERNATIONAL COOPERATION CENTRE

36 Zwirki Street, 90-539 Lodz, Poland phone: +48 42 638 38 00 cwm@adm.p.lodz.pl

STUDENTS MOBILITY DIVISION

36 Zwirki Street, 90-539 Lodz, Poland phone: +48 42 638 38 00

erasmus@info.p.lodz.pl (for polish students), foreignstudents@info.p.lodz.pl (for foreign full-time students) sao@info.p.lodz.pl (for exchange students)















