



P13 – Lviv Polytechnic National University



Applied materials science and
materials engineering

Zoia Duriagina

University: facts and figures

- Founded in 1844, it is the oldest technical university in Eastern Europe
- More than 35000 students (45% Bachelors, 35% Masters, 9% on the Doctoral program and others) and 600 postgraduates in 2013-2014
- There are over 2300 staff members, 250 of whom are professors (holding a Dr. of Sc. Degree) and over 1100 – associate professors (Doctors of Philosophy)
- Member of International networks:



Among 275 establishments
of higher education in
Ukraine

RANKING WEB
DE UNIVERSIDADES

Among 311 establishments
of higher education in
Ukraine



Among 232 establishments
of higher education in
Ukraine

University: facts and figures

Lviv Polytechnic National University is a member of the following international organizations:

- Magna Charta Universitatum;
- **European University Association (EUA);**
- Alliance of Universities for Democracy (AUDEM);
- Association of the Carpathian Region Universities (ACRU);
- Board of European Students of Technology (BEST);
- Association des Etats Generaux des Etudiants de l'Europe/European Students' Forum (AEGEE).

University structure

The University comprises 16 educational and research institutes with 104 academic departments:

- Institute of Geodesy
- Institute of Humanities and Social Sciences
- Institute of Economics and Management
- Institute of Power Engineering and Control Systems
- **Institute of Engineering Mechanics and Transport**
- Institute of Computer Sciences and Information Technology
- Institute of Computer Technologies, Automation and Metrology
- Institute of Architecture
- Institute of Business and Technology Policy
- Institute of Applied Mathematics and Basic Sciences
- Institute of Telecommunications, Radioelectronics and Electronic Engineering
- Institute of Ecology of Nature Protection and Tourism
- Institute of Chemistry and Chemical Technology





Department of applied materials science and materials engineering

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Research interests of the department consist in:

- *Surface engineering: laser surface modifications which produce coatings on stainless steels, titanium and vanadium alloys of different systems. These coatings have the properties of new materials, like cryptocrystalline, semi- amorphous or composite.*
- *Protective coatings application for energy equipment by the implantation of nitrogen or nitrogen plasma processing streams.*
- *Formation of periodic structures by femtosecond laser - is a possibility for making changes of functional properties.*
- *Research, related to the creation of new thermo-electric materials which are based on Half-Heusler phases.*



Stakeholders interested in the project outcomes/activities:



Local project team.



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