

# Department of Computer Aided Design

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**Department of Computer Aided Design** - a teaching and research unit of the Institute of Computer Science and Information Technologies of Lviv Polytechnic National University, who participated in the preparation of bachelors basic direction of "Computer Science" and masters on specialty "Information Technologies".

## Content

- 1 Summary
- 2 Department history
- 3 teaching staff
- 4 Research Department
  - 4.1 RL systemavtomatyzovanoho design of analog microelectronic assemblies electronics (RL-80)
- 5 International cooperation
- 6 Contacts

## general information

The department created as CAD profiling to train engineers in the specialty "Computer Aided Design" as part of the radio department.

Specialty training department:

- Computer Science (6.050101 - Bachelor)
- Information Technologies (8.05010102 - Master, 7.05010102 - Specialist)
- System design (8.05010103 - Master, 7.05010103 - Specialist)

## History Department

Department of Computer Aided Design - CAD founded on the basis of scientific direction headed by academician of AES of Ukraine, Doctor of Technical Sciences, Professor at the Department V.O.Kovalem "Design and technology of radio." In 1989 it was separated as an independent unit under the direction of Professor V.O.Kovalya.

In 1992, the Department became part of the newly established Faculty of computer engineering and information technology.

In 1996-2000, the department was headed I.I.Motyka. Since 2000, the department manages Ph.D., professor Lobur Mikhail .

### Department of Computer Aided Design



<b>unit Type</b>	chair
<b>Abbreviation</b>	CAD
<b>Date of foundation</b>	1989
<b>Founders</b>	National University "Lviv Polytechnic"
<b>Amount graduate</b>	13
<b>Amount Ph.D.</b>	21
<b>Amount associate</b>	16
<b>Amount doctors</b>	4
<b>Amount professors</b>	4
<b>Membership</b>	Institute of Computer Science and Information Technology
<b>Head of Department</b>	prof. <b>Lobur Mikhail</b>
<b>Location (address)</b>	Andrew vul.Myropolita 5, 79013, Lvov; 4th building, room. 324
<b>On page lp.edu.ua</b>	<a href="http://lp.edu.ua/sapr">http://lp.edu.ua/sapr</a>
<b>Own site</b>	<a href="http://cad.lp.edu.ua/index.php">http://cad.lp.edu.ua/index.php</a>

In 1998 he successfully completed an international research project Therminic, which were partners and the Technical University of Budapest Semilab firm, Technical University of Lodz (Poland), TIMA Laboratory Institute of Fourier, Grenoble (France) (Project Leader - Professor D. Fedasyuk) .

In 2000, the department made a grant NATO, under which the department and central telecommunications "Lviv Polytechnic" established a modern network equipment. From 1 January 2002 implemented an international project REASON.

## Teaching staff

## Research Department

Research work of teachers and employees of the department of CAD BSRL-80 is towards the development and implementation of computer-aided design of organizational and technical systems.

The Department of CAD studies in the following areas:

- Design Automation design of microelectronic devices;
- design and simulation elements integrated microelectromechanical systems and the development of systems for their design;
- automation of complex organizational systems, development of algorithms and software systems for the organization of transport;
- development of complex information systems to model environmental and economic problems;
- Development of integrated CAD teaching and research.

Theoretical results of scientific research are new mathematical models, methods, algorithms design and manufacture of microelectronic devices, and the design and operation of the administrative and technical systems. Practical results - software and systems and teaching methods, CAD / CAD SYSTEM microelectronic devices, CAD OTC.

**RL systemavtomatyzovanoho design of analog microelectronic assemblies electronics (RL-80)**

## International cooperation

## Contacts

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The categories : National University "Lviv Polytechnic"

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