

TRAVEL ARRANGEMENT

As the previous 13 successful ones, this conference will be held in Polyana, Svalyava region, Zakarpattya, Ukraine in the Carpathian Mountains and approximately 190 km drive south of Lviv. Lviv is one of the oldest historic cities in Europe, an industrial and educational centre of the West Ukraine. We hope that the wonderful scenery and fresh air of the Carpathian Mountains will make for fruitful work at the conference and leave pleasant memories about the Conference.

ACCOMODATION

Hotel "Fortuna"

The hotel is built according to German standards. At your disposal there are massage cabinets, hydro massage baths, a closed pool, a sauna, a pump-room with mineral waters, a universal conference hall for 80 people with multifunctional equipment, 3 restaurants offering dishes of the European and Zakarpattya cuisine. The windows of spacious rooms open a magnificent view on mountains.

Address: 61, Duhnovycha Str, Polyana, Svalyava, Zakarpattya, Ukraine.
tel.: +38 (03133) 7-44-35,
tel.: +38 (03133) 7-44-27

CONFERENCE FEES

	Early bird (before February 6 th), €	Regular, €
IEEE member	60	80
Non-IEEE member	80	100
Non-EU countries	80*	100*
PhD-student	30**	50**

*Members from non-EU countries can obtain discount on conference fees prior contacting the Organizing Committee.

**Students and PhD students can obtain special discount on conference fees (50% off the fee) prior contacting the Organizing Committee.

The fee covers all conference materials, refreshments and a cocktail reception on February 22, 2017.

IMPORTANT DATES

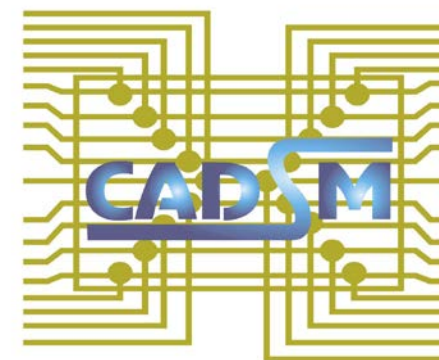
- 1) Abstract deadline:
16 January 2017
- 2) Notification of Paper Acceptance:
23 January 2017
- 3) Early Bird Registration:
Before 6 February 2017
- 4) Conference Dates
21 – 25 February 2017

CONTACTS

CAD Department, building 4, room 324.
Lviv Polytechnic National University
St. Bandera 12, 79013, Lviv, Ukraine
tel.: +38 (032) 258 21 02
fax: +38 (032) 258 26 74
E-mail: cadsm@polynet.lviv.ua
Web-site: <http://cadsm.lp.edu.ua>



CALL FOR PAPERS



CADSM 2017

14th International Conference

THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS

Organized by:
CAD Department of Lviv Polytechnic
National University
and
IEEE MTT/ED/AP/CPMT/SSC West
Ukraine

Polyana, Svalyava, (Zakarpattya), UKRAINE,
February 21 – 25, 2017



CADSM 2017
14th International Conference
THE EXPERIENCE OF DESIGNING
AND APPLICATION OF CAD
SYSTEMS IN MICROELECTRONICS
Polyana, UKRAINE,
February 21 - 25, 2017

International Programme Committee

Prof. M. Andriychuk	IEEE MTT/ED/AP/CPMT/SSC West Ukraine Chapter, Ukraine
Prof. J. Dziuban	Wroclaw University of Technology, POLAND
Prof. D. Fedasyuk	Lviv Polytechnic National University, UKRAINE
Prof. V. Hahanov	Kharkov National University of Radio Electronics, UKRAINE
Prof. W. Kuzmicz	Warsaw University of Technology, POLAND
Prof. M. Lobur	Lviv Polytechnic National University, UKRAINE (General Chairman)
Prof. B. Mandziy	Lviv Polytechnic National University, UKRAINE
Prof. O. Matviykyv	Lviv Polytechnic National University, UKRAINE
Prof. A. Melnyk	Lviv Polytechnic National University, UKRAINE
Prof. A. Naperalski	Technical University of Lodz, POLAND
Prof. V. Pavlysh	Lviv Polytechnic National University, UKRAINE
Prof. A. Petrenko	National Technical University of Ukraine, UKRAINE
Prof. W. Pleskacz	Warsaw University of Technology, POLAND
Prof. Iv. Prudyus	Lviv Polytechnic National University, UKRAINE
Prof. I. Rangelow	Technische Universität Ilmenau, GERMANY
Prof. Y. Rashkevych	Lviv Polytechnic National University, UKRAINE
Prof. D. Sankowski	Technical University of Lodz, POLAND
Prof. V. Skryshevsky	Kyiv National T. Shevchenko University, UKRAINE
Prof. V. Teslyuk	Lviv Polytechnic National University, UKRAINE
Prof. Ye. Yashchyslyn	Warsaw University of Technology, POLAND
Prof. B. Levin	Holon University of Technology, ISRAEL
Prof. G. Georgiev	University of Velyko Tyrnovo, BULGARIA
Prof. Z. Raida	Brno University of Technology, CZECH REPUBLIC
Prof. K. Tavzarashvlie,	University of Georgia, GEORGIA
Prof. F. Yanovsky	National Aviation University, UKRAINE

Organized by:

1. Lviv Polytechnic National University
2. IEEE MTT/ED/AP/CPMT/SSC West Ukraine Chapter

Technical Co-Sponsors:

1. Lviv Polytechnic National University,
2. IEEE MTT/ED/AP/CPMT/SSC West Ukraine Chapter
3. IEEE Section Ukraine

Organizing committee

Chairman:	Prof. Mykhaylo Lobur, Head of CAD Department, Lviv Polytechnic National University, Ukraine
Vice-chairman:	Prof. Oleh Matviykyv, CAD Department of Lviv Polytechnic National University, Ukraine
Vice-chairman:	Prof. Mykhailo Andriychuk, IEEE MTT/ED/AP/CPMT/SSC West Ukraine Chapter, Ukraine CAD Department of Lviv Polytechnic National University, Ukraine
Conference Secretary:	Dr. Nazariy Andrushchak, CAD Department of Lviv Polytechnic National University, Ukraine
Member of Organizing Committee:	
Prof. Sergiy Shcherbovskyyh	Lviv Polytechnic National University, Ukraine
Dr. Rostyslav Kryvyy.	Lviv Polytechnic National University, Ukraine
Dr. Mykhaylo Melnyk	Lviv Polytechnic National University, Ukraine
Dr. Volodymyr Karkulyovskyy	Lviv Polytechnic National University, Ukraine
Dr. Andriy Kernytskyy	Lviv Polytechnic National University, Ukraine
Dr. Ulyana Marikutsa	Lviv Polytechnic National University, Ukraine
Dr. Igor Farmaga	Lviv Polytechnic National University, Ukraine
Dr. Nazariy Jaworski	Lviv Polytechnic National University, Ukraine
MCS. Oleg Faitas	Lviv Polytechnic National University, Ukraine

About CADSM Conference

Microelectronics is one of the most dynamically developing industries and is characterized, from the point of view of high growth rates, by outstanding achievements in the field of physics of process, and the development of methods of microelectronics devices designing. Thus, creation and development of appropriate systems of automated designing has grown in importance.

CADSM Conference is intended to provide a possibility to discuss problems of optimization of technological processes of IC manufacturing, development of the models and design methods of microelectronics devices and technical systems, problems during design of microelectromechanical systems. Traditionally the problem of testing and reliability are considered within the frame work of the conference, as well as the new information technologies of automated designing and creation of learning systems.

CONFERENCE TOPICS

- 1. MODELLING AND OPTIMIZATION FOR TECHNOLOGICAL PROCESSES**
Modeling and simulation of hydro- and gasdynamics processes. New materials in microelectronics. New technology of IC and MEMS industry. Practical realization and industrial application. Tasks of technological processes testing. Tasks of reliability estimation.
- 2. MODELS AND METHODS FOR RADIOELECTRONICS DEVICE AND SYSTEM DESIGN**
Signal processing in radioelectronic system and telecommunications. Telecommunications and radioelectronic design tools. Electronic and computer tools in biomedical engineering. Methods and tools of digital signal processing.
- 3. DESIGN OF SPECIALIZED SYSTEMS AND DEVICES**
Specialized computer system. Computer system and networks. Data and knowledge bases. Design of MEMS elements. CAD systems for MEMS design.
- 4. OPTIMAL DESIGN PROBLEMS**
Tasks of optimal design. Object-oriented design methods. Combinatorial and graph tasks of huge size. Constructor design of radioelectronics means. Design solving verification. Thermal problems in microelectronics.
- 5. CAD MODERN INFORMATION TECHNOLOGY**
Visual modeling. Development and analysis remote design tools. Concurrent and distribution systems. Distribution computing in networks. Technology and system automated processing text and graphics information. Perspective directions of modern mathematical and software development.
- 6. MODELS AND METHODS FOR MICROELECTROMECHANICAL SYSTEMS**
Mathematical model of sensors and actuators. Microsystems modeling and design. New microelectronic technologies.
- 7. TECHNOLOGIES FOR MEDICINE**
Biomedical Electronics. CAD in medical applications. Reengineering based of CAD models. CAD models comparative analysis.

Official Language

The official language of the conference is English. The abstracts, presentations and posters have to be in English to be published in the Conference Programme and Conference Proceedings.

Submission Instructions

The abstract should be prepared and submitted to the Organizing Committee only in electronic form. The abstract template with instructions on submission is available on the Conference Web Page (<http://cadsm.lp.edu.ua>).