

## TRAVEL ARRANGEMENT

As the previous 14 successful ones, this conference will be held in Polyana, Svalyava region, Zakarpattia, 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 center of 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 of the Conference.

## ACCOMMODATION

### 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, and a universal conference hall for 80 people with multifunctional equipment, 3 restaurants offering dishes of the European and Zakarpattia cuisine. The windows of spacious rooms open a magnificent view of mountains.

**Address:** 61 Dukhnovycha Str, Polyana, Svalyava, Zakarpattia, Ukraine

To reserve the hotel or other assistance on accommodation please contact the organizing committee.

## CONFERENCE FEES

|                  | Early bird<br>(before February<br>6 <sup>th</sup> ), EUR | Regular,<br>EUR |
|------------------|--|-----------------|
| 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 a discount on conference fees prior contacting the Organizing Committee.

\*\*Students and Ph.D. students can obtain a special discount on conference fees (50% off the fee) prior to contacting the Organizing Committee.

The fee covers all conference materials, refreshments and a cocktail reception on February 27, 2019.

## IMPORTANT DATES

- 1) **ABSTRACT DEADLINE:**  
11 January, 2019
- 2) **NOTIFICATION OF PAPER ACCEPTANCE:**  
25 January, 2019
- 3) **EARLY BIRD REGISTRATION:**  
Before 5 February, 2019
- 4) **CONFERENCE DATES**  
26 February – 2 March, 2019

*All CADSM accepted papers will be submitted for indexing in the digital library and other indexing databases (Scopus, Google Scholar, etc.).*



## CONTACTS

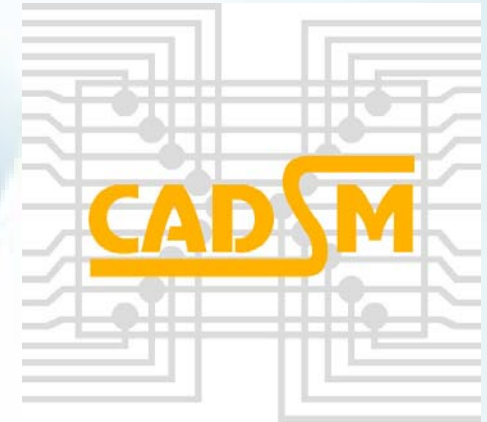
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Lodz University of Technology



# CALL FOR PAPERS



15<sup>th</sup> International Conference

## THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS

Organized by:

- ✓ CAD Department of Lviv Polytechnic National University
- ✓ Lodz University of Technology
- ✓ IEEE Ukraine Section (West)  
MTT/ED/AP/EP/SSC Societies Joint Chapter

Polyana (Svalyava), UKRAINE  
26 February – 2 March, 2019



**CADSM 2019**  
**15<sup>th</sup> International Conference**  
**THE EXPERIENCE OF DESIGNING**  
**AND APPLICATION OF CAD**  
**SYSTEMS Polyana, UKRAINE,**  
**26 February – 2 March, 2019**

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**Organized by:**

1. Lviv Polytechnic National University
2. Lodz University of Technology
3. IEEE Ukraine Section (West) MTT/ED/AP/EP/SSC Societies Joint Chapter

**Technical Co-Sponsors:**

1. Lviv Polytechnic National University
2. IEEE Ukraine Section
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| <b>Volodymyr Dorosh</b>                | Lviv Polytechnic National University, Ukraine   |

**About CADSM conference**

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 the design of microelectromechanical systems and possibilities of practical applications of developed systems. The problem of reliability testing is considered within the frame work of the conference, as well as the new information technologies of automated designing and creation of learning systems. During the conference, the attendees from all over the world can discuss the problems and opportunities of modern CAD systems and their applications in information technologies, robotics, IoT and medical systems.

**CONFERENCE TOPICS**

- 1. CAD MODERN INFORMATION TECHNOLOGY**  
Visual Modeling. Development and analysis of remote design tools. Concurrent and distribution systems. Distribution computing in networks. Perspective directions of software development and technological processes testing.
- 2. DESIGN OF SPECIALIZED SYSTEMS AND DEVICES**  
Specialized computer system. Computer system and networks. Data and knowledge bases. Technology and system automated processing of text and graphics information. Design of MEMS elements. CAD systems for MEMS design.
- 3. MODELS AND METHODS FOR RADIOELECTRONICS DEVICE AND SYSTEM DESIGN**  
Signal processing in radioelectronic system and telecommunications. Telecommunications and radioelectronic design tools. Methods and tools of digital signal processing. New materials in microelectronics. Tasks of reliability estimation.
- 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. MODELS AND METHODS FOR MICROELECTROMECHANICAL SYSTEMS**  
A mathematical model of sensors and actuators. Microsystems modeling and design. New microelectronic technologies. The new technology of IC and MEMS industry.
- 6. PRACTICAL APPLICATIONS OF CAD SYSTEMS**  
Modern CAD in robotics and IoT systems. Embedded systems design and practical realization. Industrial applications of algorithms and design approaches.
- 7. TECHNOLOGIES FOR MEDICINE**  
Biomedical electronics. CAD in medical applications. Reengineering based on CAD models. Electronic and computer tools in biomedical engineering. 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>).