

TRAVEL ARRANGEMENT

Due to the new regulations and following social distancing recommendations, we have decided to shift our conference to the virtual meeting. We will do our best to provide the highest possibilities to communication and share novel results of your research.

ACCOMMODATION

The COVID-19 pandemic has affected many parts of our lives, as well as the way the conferences are organized. Initially, when our CADSM-2021 conference was planned, we have sincerely believed that the COVID-19 will be over. However, due to the new regulations and following social distancing recommendations, we have decided to shift our conference to the virtual meeting.

CONFERENCE FEES

	Early bird (before February 9 th)	Regular price
IEEE member	60 EUR	80 EUR
Non-IEEE member	80 EUR	100 EUR
Non-EU countries	800 UAH	1000 UAH
PhD-student*	400 UAH	500 UAH

*Students and PhD-students can obtain a special discount on conference fees (50% off the fee) before contacting the Organizing Committee. To be eligible for a student discount, a student's name has to be the first name in the list of authors, and the name of his/her supervisor needs to go after. If there are more than two co-authors in the paper, the PhD-student discount cannot be applied.

The fee covers all conference materials, access to all conference meetings/online sessions/external online discussion, and a certificate of attendance.

IMPORTANT DATES

- 1) **ABSTRACT DEADLINE:**
20 January, 2021
- 2) **NOTIFICATION OF PAPER ACCEPTANCE:**
31 January, 2021
- 3) **EARLY BIRD REGISTRATION:**
Before 9 February, 2021
- 4) **CONFERENCE DATES**
22 – 26 February, 2021

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

IEEE Xplore[®]
Digital Library

Scopus[®]

CONTACTS

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Lodz University of Technology



CALL FOR PAPERS

CADSM 2021



16th 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

Lviv, UKRAINE
22 – 26 February, 2021



CADSM 2021
16th International Conference
THE EXPERIENCE OF DESIGNING AND
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Technical Co-Sponsors:

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

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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.ieee.org.ua>).