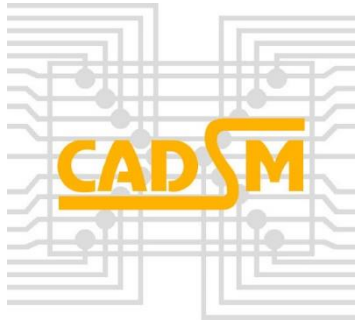


ПОВІДОМЛЕННЯ

Інформаційне повідомлення щодо проведення 16-ї IEEE Міжнародної конференції «THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS» – CADSM-2021



Шановні колеги, в період з 22 по 26 лютого 2021 року планується проведення 16-ї IEEE Міжнародної конференції «The Experience of Designing and Application of CAD Systems» (CADSM-2021).

Основні напрямки і секції (робочою мовою конференції):

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

Більш детальна інформація на сайті конференції <http://cadsm.ieee.org.ua/>.