

## ПОВІДОМЛЕННЯ

### Інформаційне повідомлення щодо проведення 17-ї IEEE Міжнародної наукової конференції «EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS» (CADSM'2023)



22 – 25 лютого 2023 року планується проведення у гібридному форматі 17-ї IEEE Міжнародної наукової конференції «EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS» (IEEE CADSM'2023).

#### Основні напрямки (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.
  - Computer-Aided Design of Integrated Circuits and Systems.
2. Design of specialized systems and devices
  - A mathematical model of sensors and actuators.
  - Microsystems modeling and design.
  - New microelectronic technologies.
  - The new technology in IC and MEMS industry.
  - Design of MEMS elements.
  - Specialized computer system.
3. Models and methods for radioelectronics device and systems
  - 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.
  - Reconfigurable platforms.
  - Signal acquisition and sensor management.
  - Multi-target tracking.
4. Embedded Systems Design and Implementation
  - Embedded control systems design.
  - Embedded automotive system development process.
  - Automotive embedded systems and software applications.
  - Design automation for embedded systems.

- Practical experience in IoT systems implementation and testing.
  - Industrial Embedded Systems.
  - Military embedded systems.
  - System-on-Chip and Network-on-Chip.
5. Practical applications of CAD systems
- Modern CAD in robotics and IoT systems.
  - Industrial applications of algorithms and design approach.
  - CAD in avionics, ships, military vehicles, and radios.
  - Target detection and identification.
  - CAD in medical and biomedical applications.
  - Reengineering based on CAD models.

**Важливі дати:**

- 16.12.2022 – Paper Submission Deadline
- 20.01.2023 – Notification of Paper Acceptance
- до 03.02.2023 – Early Bird Registration
- 22.02.2023 – 25.02.2023 – Conference Dates

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