

The Ministry of Education and Science of Ukraine Odessa National Polytechnic University, Institute of Computer Systems organizes the 5th International Scientific Conference of Students and Young Researchers "Modern Information Technology (MIT-2015)" of 21-23 April 2015, Odessa, Ukraine.

AREAS OF CONFERENCE WORK

1. Software

- World Wide Web and social communication
- Databases of information systems
- Graph formats and algorithms of image compression
- Software solutions for virtual reality and 3D-Internet
- Systems of remote learning
- Methods and ways of intellectual data processing
- Information protection in information systems

2. Computer systems and networks design and diagnostics

- Computer distributed systems and networks
- Intellectual computer systems
- Control, reliability and guarantee of computer systems
- Highly productive parallel computer systems

3. Mathematical simulation of technological processes

- Mathematical simulation of technological processes
- Systems analysis and optimal decision theory
- Adaptive systems
- Decision making in risk and uncertainty
- Electromechanical systems control
- Research and design of electromechanical converters
- Modern systems of power supply and energy saving

4. Information systems and data analysis

- Information technology in automated systems of data processing and saving
- Methods and algorithms of image recognition of objects and processes
- Artificial intelligence systems and neural networks
- 3D modeling and stereo visualization
- Wireless information and communication technology

5. Computer systems and components

- Components of computer systems: research, analysis, design
- Signals and images processing
- Specialized computer systems and platforms: architectures, research, analysis, programming

6. Robotics

- General principles of robot systems development
- Cognitive and intellectual systems in robotics
- Robot systems design
- Programming of robot systems

IMPORTANT DATES

25 March 2015: Deadline for paper submission

5 April 2015: Deadline for notification of paper acceptance or rejection

10 April 2015: Fee payment deadline

PRINTED MATERIALS

Book of abstracts will be published before the beginning of the conference. **To receive a printed version of the book it is necessary to pay 10 EUR fee for one publication**

. The fee should be paid after you get an e-mail with notification of your paper acceptance.

Program of the conference and book of abstracts will be given out to the conference participants during the registration or sent by post. After the conference authors of the best papers, recommended by the program committee will be offered to **publish their works in the scientific journal "Electrotechnical and computer systems"**

according to the requirements for papers available at the website:

<http://etks.opu.ua>

[Information announcement](#)

[Application form](#)

[Guidelines](#)

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