

# MicroCAD-2024



**Organizer**  
**National Technical University**  
**"Kharkiv Polytechnic Institute"**  
**with support**  
**Ministry of Education and Science of Ukraine**



**In collaboration with:**

**Warsaw University of Technology**

**Sofia University St. Kliment Ohridski**

**Poznan Polytechnic University**

**University of Miskolc**

**Magdeburg University**

**Petrosani University**

**INTI International University**



**INTI**  
International University

**Dear COLLEAGUES!**

We are pleased to invite you to participate in the  
**XXXII International Scientific – Practical Conference**

**INFORMATION TECHNOLOGIES: SCIENCE,  
ENGINEERING, TECHNOLOGY, EDUCATION, HEALTH**

**MicroCAD-2024**

**22 – 25 May 2024**  
**Kharkiv, Ukraine**



More  
information:



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**XXXII International Scientific – Practical Conference  
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EDUCATION, HEALTH. MicroCAD-2024**

**The conference will be held on the 22 – 25 May 2024 in Kharkiv**

**The event will take place  
in the National Technical University  
«Kharkiv polytechnic institute» (on-line)**

**Speakers will be issued a participant's certificate (0.5 ECTS)**

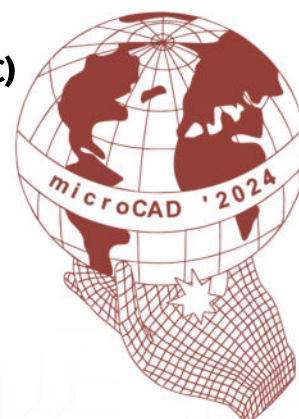
**Abstracts of reports will be accepted until May 11**

**Plenary meeting - 22 May, Wednesday, beginning at 09-00 (UTC)**

**Work of sections: - May 23, Thursday, from 07:00 (UTC)**

**- May 24, Friday, from 07:00 (UTC)**

**- May 25, Saturday, from 07:00 (UTC)**



**Address of the conference organizing committee:**

**National Technical University «Kharkiv polytechnic institute»,**

**Scientific and Research Part**

**2, Kyrpychova st., Kharkiv, 61002, Ukraine**

**Tel.: +38(057) 707-60-14, +38(099) 944-55-89**

**Web-site: <https://web.kpi.kharkov.ua/microcad/en/>**

## AREAS OF THE CONFERENCE'S WORK

### **Section 1. Power Engineering, Electronics and Electromechanics**

- Modeling of the working processes in heat engineering and power equipment and energy-saving problems
- Electromechanical and electric transformation of energy
- Modern information and energy-saving technologies in power engineering
- Actual problems of power engineering

### **Section 2. Actual Issues of Mechanical Engineering and Transport**

- Technology and computer-aided designing in machine-building
- Fundamental and applied problems in transport engineering
- Novel materials and state-of-the-art metal working technologies
- Environmental technologies, occupational safety and health
- Development of Ukraine`s defense capability

### **Section 3. Computer Modeling, Applied Physics and Mathematics**

- Mathematic simulation in mechanics and control systems
- Computer technologies in physical and technical research
- Microprocessor technique in automatics and instrument engineering

### **Section 4. Chemical Technology and Engineering**

### **Section 5. Economics, Management and International Business**

### **Section 6. Medical Sciences**

### **Section 7. International education**

- International technical education: trends and innovations
- International humanitarian education

### **Section 8. Socio-humanitarian Technologies**

- Topical issues of socio-humanitarian technologies
- Information technologies in the management of social systems
- Actual problems of information-oriented society development in Ukraine

### **Section 9. Computer Science and Information Technology**

- Information and control systems
- Computer and mathematical modelling. Systems analysis and project management
- Application of computer technology to solve scientific and social problems in medicine
- Informatics and modeling
- Multimedia and Internet technologies and systems
- Insurance fund of documentation: current problems and methods of information processing and storing

### **Section 10. Near-earth space. Radiophysics and Ionosphere**

### **Section 11. Electromagnetic durability**

### **Section 12. Military science, national security, state border security**

