



Dedicated to the 100th
Birth Anniversary
of the founder
of the Department
of Cybernetics of Chemical and
Technological Processes
of Igor Sikorsky KPI
Professor Alla BONDAR
(1921 – 1981)

9th International Scientific-Practical Conference “Computer Simulation and Control in Technics and Technologies CSCTT-2021”

Ministry of Education and Science of Ukraine
Ukrainian Technological Academy
National Technical University of Ukraine
“Igor Sikorsky Kyiv Polytechnic Institute”
Faculty of Chemical Engineering
Automation Hardware and Software Department
Institute for Applied System Analysis
Cherkassy regional branch
Ukrainian Technological Academy
Cherkassy state technological university
Ghent University, Faculty of Engineering and Architecture
(Belgium)
Paderborn University, Faculty of Mechanical Engineering
(Germany)
Technical Dresden University, Institute Technical
Chemistry (Germany)
Parks College, Saint Louis University (USA)
Industrial University of Santander, Chemical Engineering
Department (Colombia)
Batumi Shota Rustaveli State University (Georgia)
M. Auezov South Kazakhstan State University
(Kazakhstan)

DEAR COLLEAGUES!

We are pleased to invite you to attend the **9th International Scientific-Practical Conference “Computer Simulation and Control in Technics and Technologies – CSCTT-2021”**. The undoubted success and interest of previous international conferences in 2008-2020 have demonstrated the demand for mathematical and computer modeling, automation of technological processes, the principles of sustainable development in the scientific community and production structures. Our traditional platform, dedicated to the problems of using computer technologies in modern industries, has become a convenient place for communication between scientists, developers of modeling systems and serious consumers of these software products. In Ukraine, this is the only conference dedicated to the problems of using computer technology in modern industries.

The conference will take place on **May 12-14, 2021 in Kyiv** at the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”.

CSCTT-2021 is held to discuss the experience of using computer and mathematical modeling and automation in engineering and ecology, chemical and biochemical technologies, modern areas of computer and mathematical support of technological systems. The issue of modern multilevel higher education will also be considered within the framework of the CSCTT-2021 conference.

The organizing committee invites to participate in the conference of representatives from leading academic institutions of the NAS of Ukraine, universities, chemical companies, research and design institutes, Ukrainian firms and from foreign countries.

Participants are expected from Germany, USA, Canada, Belgium, Poland, Czech Republic, Slovakia, Colombia, Russia, Georgia, Kazakhstan, Belarus.

We are planning an organization of the excursions around Kyiv and picturesque places of Kyiv region, as well as varied cultural programs.

The main topics of the conference CSCTT-2021:

1. Computer modeling and forecasting the development of complex systems of different nature.
2. Automation and computer support of production processes.
3. Optimal control of technological processes
4. Computer modeling of technological processes and systems.
5. Computer modeling in chemistry, computer methods of synthesis of new substances.
6. Computer modeling of environmental processes.
7. Intelligent methods in modern technological processes.
8. Mathematical and instrumental methods of technologies for Industry 4.0.
9. Computer and information technologies in multilevel higher education.

Planned types of scientific presentations are:

- Scientific presentation - up to 20 min.
- Short scientific notices - up to 10 min.

Working languages of the conference: Ukrainian, English, Russian.

Electronic versions of the scientific articles (4-6 full pages) and information about authors should be submitted via email to one of the addresses marked **CSCTT-2021**:

- yu.beznosyk@ukr.net,
- bendiuh.vladyslav@iit.kpi.ua.

The collection of scientific articles of the conference will be published.

Terms of participation: participation in the conference CSCTT-2021 is free. To include in the conference program the report and receipt of the invitation, the participant must submit to the organizing committee: *the application* for participation (sample attached), the text of the article (in accordance with the requirements attached). The conference articles will be provided by UDCs, ISBNs, and each article will have a DOI. The collection of articles in electronic form will be posted on *the conference site* (csctt.tpza.kpi.ua). The printed collection will be available during the conference or by mail. The costs of personal participation in the conference CSCTT-2021 are borne by each participant.

The accommodation of the participants of the conference is planned in Kyiv hotels of different levels, as well as in the hostels of the Igor Sikorsky Kyiv Polytechnic Institute according to the registration cards.

Official address of the organizing committee:

- Automation Hardware and Software Department "Igor Sikorsky Kyiv Polytechnic Institute", 37, Prosp. Peremohy, building 19, Kyiv, Ukraine, 03056
- Institute for Applied System Analysis - IASA 37, Prosp. Peremohy, building 35, Kyiv, Ukraine, 03056

Requirements for articles registration

Articles will be published in the **original language**.

The article size - 4-6 full pages (format - A4).

The text processor - MS Word.

The file extension - *.doc, *.docx or *.rtf.

Fields of the document - 2 cm.

Title of the article (in three languages – English, Ukrainian and Russian) - Times New Roman, bold, size 14 pt, all capital letters, without word wrapping, on a new line - the surname and initials of the authors (no more than 4, in three languages – English, Ukrainian and Russian), in the next line - organization, city, country and Email (font Times New Roman, normal, size 12 pt). Place everything in the center, single line spacing.

Abstract (in English, Ukrainian and Russian (font size 11 pt), no more than 6 lines.

Keywords (in English, Ukrainian and Russian): font size – 11 pt.

The text is printed from a new line, the font is normal, the size is 13 pt, the line spacing is single, the text is aligned across the width of the page, without hyphenation.

Chemical formulas should be inserted into the text with the help of Chem Draw editor, *mathematical formulas* - MS Equation editor.

Sections of the article: introduction; formulation of the problem; research analysis; conclusions; references.

References (no more than 5) to the used sources should be in square brackets. References to the end of the article should be made according to APA (or DSTU 8302:2015).

Figures should be numbered according to the text.

Tables should be performed in the MS Word editor and must have title and number.

Deadline for the articles submission and applications for participation – March 28, 2021.

Conference registration form

(to be filled in for each co-author of the article)

Title: _____

Section: _____

Surname, name: _____

Organization (full name, address, obligatory with the index): _____

Position: _____

Academic degree: _____

Academic status: _____

Phone (code and number): _____

E-mail: _____

Form of participation _____ (full-time, part-time)

Home address (or the address of the post office) for sending the Conference Proceedings: _____

Necessity of accommodation, number of places (hotel, hostel): _____

Date _____ Signature _____