



Dedicated
the memory
of our teacher
professor
Hennadii
STATIUKHA
(1940 – 2012)

**8th International Scientific-
Practical Conference
«MODELING AND SIMULATION
FOR CHEMISTRY AND
TECHNOLOGIES AND
SUSTAINABLE DEVELOPMENT
SYSTEMS MSCT-2020»**

Ministry of Education and Science of Ukraine
Ukrainian Technological Academy
National Technical University of Ukraine "Igor
Sikorsky Kyiv Polytechnic Institute"
The Department of Cybernetics of Chemical
Technology Processes
Institute for Applied System Analysis
Department of Mathematical Methods of
Systems Analysis

DEAR COLLEAGUES!

We cordially invite you to attend the **8th International Scientific-Practical Conference «Modeling and simulation for chemistry, technologies and sustainable development systems – MSCT-2020»**. Unconditional success and interest of the previous four international conferences in 2008-2019 years have shown the demands of mathematical modeling among the scientific and industrial community. Our research platform that is the academic space for discussion of the problems in using computer technologies in modern chemical-engineering industries have become the convenient place for communication of scientists, developers of simulation systems and serious consumers of these software products. There is the only conference dedicated to the problems of using computer technologies in modern chemical-engineering industries in Ukraine.

The conference is being held at the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" **in Kyiv, May 19-22, 2020.**

The purpose of MSCT-2020 Conference is to discuss the experience in applying of the computer and mathematical modeling in chemistry and ecology, chemical and biochemical technologies, modern computer and mathematical fields of technological system providing. The conference will also be addressed the issue of modern multilevel higher education.

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.

Expected participants from Germany, USA, Canada, Ireland, Norway, Belgium, Poland, Colombia, Russia, Belarus.

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

The basic sections of MSCT-2020 Conference are:

1. *Computer support of production processes.*
2. *Simulation of chemical engineering and biochemical processes and systems, sustainable development systems.*
3. *Modeling in chemistry, computer tools for synthesis of new substances.*
4. *Modeling and simulation of ecological and nature conservation processes.*
5. *Computer modeling and prediction of the development of complex systems of different nature.*
6. *Sustainable development of regions.*
7. *Computer-information technologies in multilevel high education.*

Planned types of scientific presentations are:

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

Honeywell - Ukraine

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:

- yu_beznosyk@ukr.net,
- bendiuh.vladyslav@iill.kpi.ua.

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

Terms of participation: participation in the conference MSCT-2020 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 articles* (in accordance with the requirements attached). To the collection of conference articles will be provided a UDCs, ISBNs, and each article will have a DOI. The materials of the conference in electronic form will be posted on the conference site. Costs for personal participation in the conference MSCT-2020 each participant borrows independently.

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:

- Department of Cybernetics of Chemical Technology Processes
- Igor Sikorsky Kyiv Polytechnic Institute,

37, Prosp. Peremohy, Corps 4, Kyiv, Ukraine, 03056

Website: <http://msct.kxtp.kpi.ua/en/>

Requirements for the theses registration:

- The theses will be published in the original language.
- The word processor - MS Word.
- The file extension - *.doc, *.docx or *.rtf.
- The page format - A4.
- The article size - 4-6 full pages.
- Fields of the document - 2 cm.

Structure of the article:

- **Title of the article** (in Ukrainian, English and Russian): Times New Roman, semiboldface, font size – 13, capital letters, without hyphenation, the position of the text – the center, the line spacing – single;
- **Surname and initials of the author** (in Ukrainian, English and Russian): font size – 13, the position of the text – the center, the line spacing – single;
- **Organization, city, country:** Times New Roman, normal, font size – 13, the position of the text – the center, the line spacing – single;
- **E-mail:** font size – 13, the position of the text – the center, the line spacing – single.
- **Abstract** (in Ukrainian, English and Russian): font size – 11, not exceed 6 lines.
- **Keywords** (in Ukrainian, English and Russian): font size – 11.
- **The text of the article:** Times New Roman, normal, font size – 13, the line spacing – single, alignment – justify, 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 DSTU 8302:2015.

Figures should be numbered according to the text.

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

Deadline for the theses submission and applications for participation - March 15, 2020.

Conference registration form:

Surname, name: _____
Organization (full name, address, obligatory with the index): _____
Position: _____
Academic Degree and Status: _____
Phone (code and number): _____
E-mail: _____
Form of participation (full-time, distance) _____
Necessity of accommodation, number of places (hotel, hostel): _____
Date _____ Signature _____