

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
STATE BIOTECHNOLOGICAL UNIVERSITY



**International Scientific and Practical Conference
"ELECTRICAL ENERGY, ELECTROMECHANICS AND TECHNOLOGIES IN
AGRICULTURAL INDUSTRIAL COMPLEX"**

December 22, 2022

Kharkiv

DEAR COLLEAGUES!

The organizing committee invites you to take part in the work of the International Scientific and Practical Conference "ELECTRICAL ENERGY, ELECTROMECHANICS AND TECHNOLOGIES IN AGRICULTURAL INDUSTRIAL COMPLEX", which will be held on December 22, 2022 at the State Biotechnological University at the Faculty of Electric Power, Robotics and Computer Technologies (online).

Co-organizers of the conference: Ministry of Education and Science of Ukraine, National Technical University "Kharkiv Polytechnic Institute", National University "Lviv Polytechnic", National University of Life and Environmental Sciences of Ukraine.

The program will include a plenary meeting and sectional meetings.

Participation is free (without registration fee). Each conference participant will receive a certificate.

Working languages of the conference: Ukrainian, English.

ORGANIZATIONAL COMMITTEE

V. M. Mykhaylov, Doctor of Technical Sciences, Prof., Vice-Rector for Scientific Work of the State Biotechnological University (Ukraine), Chairman of the Organizing Committee;

M. S. Sorokin, Ph.D., Associate Professor, Dean of the Faculty of Energy, Robotics and Computer Technologies of the State Biotechnological University (Ukraine), Deputy Chairman;

V. V. Kaplun, Doctor of Technical Sciences, Prof., Director of the Educational and Scientific Institute of Energy, Automation and Energy Saving of National University of Life and Environmental Sciences of Ukraine;

O. P. Lazurenko, Ph.D., Associate Professor, Head of the Department of Power Stations of the National Technical University "Kharkiv Polytechnic Institute" (Ukraine);

I. Z. Shchur, Doctor of Technical Sciences, Prof., Head of the Department of Electromechanics and Computer Electromechanical Systems of the National University "Lviv Polytechnic" (Ukraine);

O. O. Miroshnyk, Doctor of Technical Sciences, Prof., Head of the Department of Power Supply and Energy Management of the State Biotechnological University (Ukraine);

Yu. M. Khandola, Ph.D., Associate Professor, Head of the Department of Electromechanics, Robotics, Biomedical and Electrical Engineering of the State Biotechnological University (Ukraine);

O. V. Petrenko, Ph.D., Associate Professor, Head of the Department of Integrated Electrical Technologies and Power Engineering of The State Biotechnological University (Ukraine);

Yu. E. Megel, Doctor of Technical Sciences, Prof., Head of the Department of Cybernetics of the State Biotechnological University (Ukraine);

S. O. Tymchuk, Doctor of Technical Sciences, Prof., Head of the Department of Automation and Computer-Integrated Technologies of the State Biotechnological University (Ukraine);

O. G. Hryb, Doctor of Technical Sciences, Prof., Professor of the Department of Automation and Cyber Security of National Technical University "Kharkiv Polytechnic Institute" (Ukraine);

M. L. Lysychenko, Doctor of Technical Sciences, Prof., Professor of the Department of Electromechanics, Robotics, Biomedical and Electrical Engineering of the State Biotechnological University (Ukraine), Academic Secretary of the Organizing Committee;

O. M. Moroz, Doctor of Technical Sciences, Prof., Professor of the Department of Power Supply and Energy Management of the State Biotechnological University (Ukraine);

N. H. Kosulina, Doctor of Technical Sciences, Prof., Professor of the Department of Electromechanics, Robotics, Biomedical and Electrical Engineering of the State Biotechnological University (Ukraine);

V. O. Potapov, Doctor of Technical Sciences, Prof., Professor of the Department of Integrated Electrical Technologies and Power Engineering of the State Biotechnological University (Ukraine).

INTERNATIONAL SCIENCE COMMITTEE

Vasily Krivtsov, Ph.D., R.Eng., Professor, University of Maryland (USA);

Juri Jatskevich, Ph.D., P.Eng., Professor, IEE Fellow Electrical and Computer (Canada);

Pawel Komada, Ph.D., D.Sc., associate professor Lublin University of Technology (Poland);

Vladimir Gurevich, Honorary Professor, Senior Specialist, Israel Electric Corporation (Israel).

IMPORTANT DATES

December 12, 2022 – deadline of report materials receiving

December 17, 2022 – sending the conference program and invitations to potential participants

December 19, 2022 – publication of the abstracts of the reports on the university website

December 22, 2022 – opening of the conference, sections' work

PARTICIPATION IN THE CONFERENCE

To participate in the conference, please send until 12 December 2022 the following documents to the e-mail address of the secretary of the section:

- conference application form (according to the form);

- conference abstracts (according to the form) in electronic form.

PROCEDURE OF THE CONFERENCE

- 9:00 – registration;
10:00 – opening of the conference;
10:30 – plenary session;
13:00 – work of sections.

CONFERENCE SECTIONS

1. **Electricity Supply and Energy Management** (head of the section - Doctor of Technical Sciences, Prof. O. O. Miroshnyk, the secretary of the section is Senior Lecturer V. H. Pazyi, e-mail: pazyiy@ukr.net).

2. **Renewable Energy** (the head of the section is Doctor of Technical Sciences, Prof. O. M. Moroz, the secretary of the section is Senior Lecturer V. H. Pazyi, e-mail: pazyiy@ukr.net).

3. **Electromechanics and Robotics** (the head of the section is Ph.D., Associate Professor Yu. M. Khandola, the secretary of the section is Ph.D., Senior Lecturer V. V. Guzenko, e-mail: hnaghv@btu.kharkiv.ua)

4. **Biomedical Engineering and Electromagnetic Technologies** (the head of the section is Doctor of Technical Sciences, Prof. N. H. Kosulina, the secretary of the section is Ph.D, Associate Professor M. O. Chorna, e-mail: masher1533@gmail.com).

5. **Integrated Processes and Technologies of Heat and Cold Supply** (the head of the section is Doctor of Technical Sciences, Prof. V. O. Potapov, the secretary of the section is M. M. Smilyk, e-mail: smilykmm@gmail.com).

6. **Information Technologies and Cyber Security** (the head of the section is Doctor of Technical Sciences, Prof. Yu. Ye. Megel, the secretary of the section is Ph.D, Associate Professor O. D. Mikhnova, e-mail: mikhnova@yahoo.co.uk).

7. **Automation and Computer-Integrated Technologies** (the head of the section is Doctor of Technical Sciences, Prof. S. O. Tymchuk, the secretary of the section is Ph.D, Associate Professor O. M. Piskariev, e-mail: post@btu.kharkiv.ua).

CONTACTS

For organizational issues, contact the Scientific Secretary of the Conference Organizing Committee, Doctor of Technical Sciences, Prof. **Mykola Lysychenko**, tel. +38 (050) 229-87-43; e-mail: 1prlysychenko@btu.kharkiv.ua.

CONFERENCE APPLICATION FORM

Information	Ukrainian	English
Last name, first name, patronymic		
Institution		
Position		
Academic degree		
Academic rank		
Tel.		
e-mail		
Section name		
Report title		

PUBLICATION

The materials of the conference will be published in the collection of conference abstracts, which will be placed in the repository of the State Biotechnological University library.

Materials are accepted in **2 full pages** of A4 format, including figures, tables, formulas, a list of references, in the MS Word, Times New Roman font, size 12, margins - 2.0 cm, single line spacing.

Requirements for theses:

- the first line - UDC number (on the left edge);
- the next line (after empty line) - the Title of the Report in capital letters (center alignment);
- the next line - surname, initials, scientific degree, academic title of the author, e-mail (center alignment);
- the next line - name of the organization (center alignment);
- main text is through one empty line (width alignment);
- after the text - a list of references according to DSTU 8302:2015;

Sample of conference report article

UDC 111.11:111.11

STUDY OF THE IMPACT OF SOLAR NETWORK POWER PLANTS ON THE QUALITY OF ELECTRICAL ENERGY

M. Petrenko, magister, e-mail: petrenkomm@ukr.net

V. Ivanenko, Doctor of Techn. Sc., Prof., e-mail: ivanenkovv@ukr.net
State Biotechnological University

Relevance of research.

The purpose of research.

Basic research materials.

Conclusion.

REFERENCES

1. Кутін В.М. Діагностика електрообладнання: навчальний посібник / В.М. Кутін, М.О. Люхін, М.В. Кутіна – Вінниця: ВНТУ, 2013. – 161 с.
2. Національна бібліотека України імені В.І. Вернадського. URL: www.nbuv.gov.ua