

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE  
KHARKIV REGIONAL MILITARY ADMINISTRATION  
State biotechnological university  
National technical university "KhPI"  
National university "Lviv Polytechnic"  
National university of life and environmental science of Ukraine  
National scientific center "Institute of mechanization and electrification of agriculture"  
University Maryland (USA)  
University of British Columbia (Canada)  
Lublin University of Technology (Poland)  
Israel Electric Corporation (Israel)



## **"ELECTRICAL ENERGY, ELECTROMECHANICS AND TECHNOLOGIES IN AGRICULTURAL INDUSTRIAL COMPLEX"**

**International Scientific and Practical Conference**

November 9, 2023  
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 November 9, 2023 at the State Biotechnological University at the Faculty of Electric Power, Robotics and Computer Technologies.

Co-organizers of the conference: Ministry of Education and Science of Ukraine, Kharkiv regional military administration, National Technical University "Kharkiv Polytechnic Institute", National University "Lviv Polytechnic", National University of Life and Environmental Sciences of Ukraine, National scientific center "Institute of mechanization and electrification of agriculture".

The conference will be online, on a google meet platform. Participation is free (without registration fee). Each conference participant will receive an electronic 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;

**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), Deputy Chairman, Scientific Secretary of the conference;

**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;

**V.V. Adamchuk**, Doctor of Technical Sciences, Prof., Academician of the National Academy of Agrarian Sciences of Ukraine, Director of the National scientific center "Institute of mechanization and electrification of agriculture"

**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);

**O. G. Gryb** Doctor of Technical Sciences, Prof., Professor of the Department of Automation and Cybersecurity of the Power Systems of the National Technical University "Kharkiv Polytechnic Institute" (Ukraine)

**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

**November 3, 2023** – deadline of report materials receiving

**November 7, 2023** – sending the conference program and invitations to potential participants

**November 9, 2023** – publication of the abstracts of the reports on the university website

**November 9, 2023** – opening of the conference, sections' work

## PARTICIPATION IN THE CONFERENCE

To participate in the conference, please send until 3 November 2023 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: pazziy@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: pazziy@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).

## CONTACTS

For organizational issues, contact the Scientific Secretary of the Conference Organizing Committee, Doctor of Technical Sciences, Prof. Mykola Lysychenko, tel. +380502298743; 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. Encoding the file by the last name of the first author.

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, post-graduate student, 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.nbu.gov.ua](http://www.nbu.gov.ua)