

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
NATIONAL TECHNICAL UNIVERSITY OF UKRAINE
"IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE"
SOCIAL ORGANIZATION "ALL-UKRAINIAN SOCIETY OF BIOMEDICAL ENGINEERS AND
TECHNOLOGISTS"**

ANNOUNCEMENT

Dear colleagues!

We invite you to participate in the
International Scientific and Practical Conference

“CURRENT STATE AND PROSPECTS OF BIOMEDICAL ENGINEERING”

dedicated to the

**20-anniversary of the
Faculty of Biomedical Engineering of the
National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”
Kyiv, Ukraine**

which will be held **December 15-16, 2022**

Conference organizer: Faculty of Biomedical Engineering of National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” (Kyiv).

Co-organizers of the conference: Ukrainian representative of the World Health Organization, SO "All-Ukrainian Society of Biomedical Engineers and Technologists", Arlene Campbell Humanitarian Fund (USA), Health Technologies without Borders (USA), Poznań University of Technology (Poland), FBME of the Czech Technical University in Prague (Czech Republic), Korean Institute of Science and Technology (South Korea), Institute of Applied Technologies (China), Ukrainian-Japanese Center of Igor Sikorskyi KPI (Ukraine), Vinnytsia National Technical University (Ukraine), Odessa Polytechnic National University (Ukraine), National Aerospace University named after M.E. Zhukovsky "Kharkiv Aviation Institute" (Ukraine), Kharkiv National University of Radio Electronics (Ukraine), Sumy State University (Ukraine), Lviv Polytechnic National University (Ukraine), Zhytomyr Polytechnic State University (Ukraine), Ternopil Ivan Puluj National Technical University (Ukraine), Priazovsky State Technical University (Ukraine).

The conference is included in the List of scientific conferences on issues of higher education and science in the system of the Ministry of Education and Science of Ukraine for 2022.

Areas of work of the conference:

- Problems and prospects of biomedical engineering as an educational and scientific field
- Clinical engineering, diagnostic and treatment technologies
- Medical instrumentation and biomedical electronics
- Regenerative bioengineering, biopharmaceutical engineering, medical biotechnology
- Rehabilitation engineering, physical therapy, occupational therapy
- Biomedical cybernetics, telemedicine, intelligent systems in medicine

We invite to participate in the conference: scientific and scientific-pedagogical staff from scientific institutions and institutions of higher education in the pharmaceutical, medical, biological fields; as well as doctoral students, graduate students, students, employees of biomedical enterprises and related public organizations.

Form of participation in the conference: remote (publishing of abstract and/or participation in remote meetings).

Structure of the conference: The two-day conference will be held in the form of a remote plenary session and breakout sessions on the Zoom platform and will include reports and discussions in the form of round tables.

During the conference will take place:

- Round table "20 years of medical engineering school - experience and prospects".
- Extended meeting of subcommittee 163 Biomedical Engineering of the Scientific and Methodological Commission of the Ministry of Education and Culture of Ukraine (V All-Ukrainian Working Meeting of Heads of Departments of Higher Education Institutions of Ukraine on problems of improving specialist training programs and development of biomedical engineering).
- Meeting of the board of the All-Ukrainian Association of Biomedical Engineers and Technologists.
- Public discussion of the educational and scientific program of master's training "Biosafety and bioprotective engineering".
- Discussion of the implementation progress of the WHO-supported project "Medical engineering support of intensive care units in tertiary institutions".

Working languages of the conference: Ukrainian, English.

Terms of participation in the conference:

To participate in the conference, you need to send to the address Organizational Committee CONFERENCE_BME@LLL.KPI.UA:

- **application for participation** according to the attached form (Appendix 1) and materials for publication only electronic version in English or in Ukrainian, prepared according to the sample (Appendix 2) in one letter by December 1, 2022;

A notification will be sent to your e-mail address about the receipt of abstract and its acceptance for publication. Materials that do not meet the theme and directions of the conference, the requirements for design, require editing, or are sent after the deadline, may be rejected, and the authors will be notified. The authors are responsible for the content and originality of the information.

- **a scanned copy of the payment receipt for publication** (payment for the publication of abstract should be made AFTER notification of the acceptance of materials for publication, but no later than 2 weeks before the start of the conference - by December 7, 2022.

Abstracts will be published in the electronic Abstracts Book. Each conference participant will receive a personal certificate in electronic format.

Conference participants and authors of the best papers will have priority for publication of articles in journals:

- "Innovative Biosystems & Bioengineering" (indexed in the Scopus database since 2022; professional scientific publication in such specialties 091 Biology, 102 Chemistry, 104 Physics and astronomy, 105 Applied physics and nanomaterials, 113 Applied mathematics, 122 Computer sciences, 161 Chemical technologies and engineering, 162 Biotechnology and bioengineering, 163 Biomedical engineering, 222 Medicine, 224 Technologies of medical diagnosis and treatment, 227 Physical therapy, occupational therapy). Requirements for manuscript - on the journal's website: <http://ibb.kpi.ua>.
- "Biomedical engineering and technology" (professional scientific publication from specialties 163 Biomedical engineering and 122 Computer science). Requirements for manuscript - on the journal's website: <http://biomedtech.kpi.ua/>.

Cost of participation in the conference:

Form of participation	Cost	Services
Participation in remote meetings	FREE <i>Charitable contributions to the account of the association of PO "VA BMIT" as desired</i>	<i>- access to the conference platform; - participation in the discussion; - certificate of the conference participant in electronic format.</i>
Publication of abstract	Publication of abstract – 5 USD. <i>(payment for publication should be made to the account of FBME NTUU "Igor Sikorsky KPI")</i>	<i>- inclusion of abstracts in the electronic Abstract Book; - electronic version of the Abstract Book; - certificate of the conference participant in electronic format.</i>

ORGANIZATIONAL COMMITTEE

National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute",
Faculty of Biomedical Engineering (16/2 Akademika Yangelya St., Kyiv, Ukraine, 03056).

Contacts of responsible persons:

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*With special attention and kindness,
Conference organizing committee*

APPLICATION FOR PARTICIPATION
in the international scientific and practical conference
"CURRENT STATE AND PROSPECTS OF BIOMEDICAL ENGINEERING",
dedicated to the 20th anniversary of the Faculty of Biomedical Engineering of National Technical
University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", December 15-16, 2022, Kyiv,
Ukraine

Full Name	
Work place	
Position	
Scientific degree, scientific title	
The topic of the report (if applicable)	
Contacts: postal code, postal address, telephone number, e-mail	

NOTE. If, after sending the registration form, it turns out that your participation in this conference is impossible under one or another circumstances, please notify the Organizing Committee in advance!

REQUIREMENTS FOR COMPLETING THESIS

Theses must be prepared in the Microsoft Word editor version no lower than 2003 (*.doc or *.docx).

All margins are 2 cm, Times New Roman font, 12 pt, line spacing - 1.0, paragraph indent - 1.0 cm, space before and after paragraph - 0 pt (none), width alignment.

The total volume of theses (A4 format), including tables, figures and a list of references should be **1 full page**.

Abbreviation of words and terms in the thesis title is not allowed; Abbreviations in the text are deciphered after the first mention. Theses use the SI system of units.

The text of the manuscript should be structured and contain all sections typical for the description of scientific research: introduction, main part, results and their discussion (conclusions).

Chemical formulas are presented in IsisDraw format, mathematical formulas, symbols, variables that occur in the text– using the built-in Microsoft Equation editor, figures – in * format.cdr (versions not higher than X8), *.jpg or *.tiff.

Materials prepared in accordance with the requirements, please send until **December 1, 2022** to the email address CONFERENCE_BME@LLL.KPI.UA.

One file must contain one abstract. The file name must correspond to the last name of the first author (for example, Abstract_Shevchenko T.G.doc). If more than one thesis of the same author is submitted, the files are numbered with Arabic numerals (for example, Abstract_Shevchenko T.G.1.doc).

FORMATTING SAMPLE FOR ABSTRACT

NEURAL NETWORK FOR DETECTION OF ARTIFACTS ON CT IMAGES

Shlykov V., Volyanyk O.

National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”

e-mail: v.slykov@kpi.ua

Text, text, text [1].

Text, text, text.

Table 1 – Name of the table



Figure 1 – Name of the figure

Text, text, text.

References: if needed (according to ISO 8302:2015).

- 1.
- 2.

**BANK DETAILS FOR CHARITABLE CONTRIBUTIONS FOR THE
DEVELOPMENT OF THE SOCIAL ORGANISATION "ALL-UKRAINIAN SOCIETY
OF BIOMEDICAL ENGINEERS AND TECHNOLOGISTS"**

Recipient: SO "ALL UKRAINIAN SOCIETY OF BIOMEDICAL ENGINEERS AND
TECHNOLOGISTS"

Code: 36470347

Account number: UA913003460000026009016535601

Bank: PJSC ALFA-BANK, Kyiv

Bank number: 300346

Purpose of payment: **Non-refundable financial assistance (voluntary contribution). Without
VAT.**

The amount of non-refundable financial assistance is a voluntary contribution of the participant.

**BANK DETAILS FOR PAYMENT FOR THE PUBLICATION OF REPORT
ABSTRACTS**

Recipient: KPI named after Igor Sikorsky FBMI

Code: 02070921

Account number: UA:768201720313201001201013853

Bank: DKSU in Kyiv

Bank number: 820172

Purpose of payment: **b/n 597, full name of the first author, "for the conference".**