

**ПРОГРАММА  
ПЕРВОЙ МЕЖДУНАРОДНОЙ НАУЧНОЙ  
КОНФЕРЕНЦИИ**

**«Новый путь декарбонизации экономики  
(KZGT-2023) »**

**PROGRAM OF THE INTERNATIONAL CONFERENCE**

**«A new path of decarbonization the economy (KZGT-2023)»**

**<http://kzgt23.kaznu.edu.kz>**

**8-10 ноября 2023 г.  
г. Алматы**

**8-10 November, 2023  
Almaty**

**Организаторы конференции**

**Казахский национальный исследовательский университет имени Аль - Фараби**

**АО «Институт Экономических исследований»**

**Санкт-Петербургский политехнический университет Петра Великого**

**Conference Organizers**

**Al-Farabi Kazakh National University**

**JSC «Economic Research Institute»**

**Peter the Great St. Petersburg Polytechnic University**

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## Main contacts of the conference

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## Purpose and topics of the conference

The 2021 climate summit (COP26) adopted a final agreement, the Glasgow Climate Pact, which aims to keep global warming below 1.5 degrees Celsius. Achieving this goal becomes especially relevant at a time when many developing economies show their unwillingness to abandon fossil fuels, primarily coal and oil. Therefore, the search for new energy sources with a neutral or low carbon footprint becomes an urgent need. The world experience in the development of RES over the past 25 years gives us certain signals about what awaits countries that intend to carry out a new energy transition. First of all, it is the need to solve many technological problems: the development of the RES segment has led to the creation of new segments in the economy and the development of infrastructure, and as a result, contributed to the social and economic transformation of entire regions. Therefore, it should be expected that the new energy transition has not only a technological dimension, but also a socio-economic one. In this regard, the creation of a systemic toolkit (information technology, managerial, infrastructure and mathematical methods and models) for monitoring and analyzing the processes of technological and socio-economic transformation in the context of energy transitions will make it possible to “work ahead of the curve” in order to ensure a more balanced trajectory of the country's economic development.

The purpose of the conference is to discuss the results of systematic research on the main drivers and consequences of the "green transition".

## Thematic sections of the conference

1. Scenarios for the transition to a low-carbon development model and harmonization of the landscape of sustainability of national economies (JSC "Institute of Economic Research", Kazakhstan, Peter the Great St. Petersburg Polytechnic University, Al-Farabi KazNU; academician Khusainov B.D., Beisengazin K., prof. Ilin I. IN.)

2. Mathematical models of the energy transition (Lomonosov Moscow State University, Peter the Great St. Petersburg Polytechnic University, Institute of Energy Research of the Russian Academy of Sciences, Institute of Economic Research, Kazakhstan; Academician A.A. Akaev, I.V. Ilin, Academician A.A. Makarov, K. Beisengazin.)

3. Technologies and materials for a low-carbon economy (Institute of Mining, Republic of Kazakhstan, Peter the Great St. Petersburg Polytechnic University, Institute of Combustion Problems, Kazakhstan; academician Buktukov N.S., prof. Parshin S.G., prof. Tolochko O.V., prof. Mansurov Z.A.)

4.

The transport mobility in the context of the transition to a low-carbon economy (Hamburg Technical University, Peter the Great St. Petersburg Polytechnic University, Emperor Alexander

I PSU, Al-Farabi Kazakh National University; prof. H. Schaumburg, prof. Ilin I. V., Prof. Zhuravleva N.A.)

5. System of models of information technology and digital support for energy transition management (Peter the Great St. Petersburg Polytechnic University, Institute of Economic Forecasting of the Russian Academy of Sciences, GET IT; Prof. Ilin I.V., Prof. Manfred Esser)

6. Prospects for the development of nuclear and hydrogen energy in low-carbon economic systems (Institute for Economic Forecasting of the Russian Academy of Sciences, Peter the Great St. Petersburg Polytechnic University, Al-Farabi KazNU; Corresponding Member of the Russian Academy of Sciences Shirov A.A., Prof. Politaeva N.A.)

7. Ecological thinking as the basis of social responsibility of society and decarbonization of the economy (Al-Farabi KazNU, prof. Salnikov V.G.)

### **Requirements for holding and participating in the conference**

**The conference "A New Path to Decarbonization of the Economy (KZGT-2023)" is held at the Al-Farabi Kazakh National University for 3 days (from November 8 to November 10, 2023).**

**The conference fee includes coffee breaks, conference materials.**

### **Submission deadlines**

Submission of articles and reports - to the Program Committee until **September 15, 2023**.

Authors of submitted papers will be notified no later than September 30, 2023 whether their papers have been accepted for the conference.

Papers approved by the Program Committee will be published in one of the international journals indexed in Web of Science/Scopus.

Registration deadlines for participants: from April 1 to September 15, 2023  
<https://forms.gle/aEi5WzkVkczMQN4C8>

### **Publications**

Papers sent in English must be prepared in accordance with the requirements and, after approval by the Program Committee, recommended for publication in a book.

Authors submit materials in electronic form to the address: .....

Files with an application for participation and with an article should have in their name the surname, initials of the first author (submitting the report) and the word reg (registration) or art (article). In the case of 2 reports with one author, the number of the report is indicated after the initials.

For example: ivanov\_ak\_reg.doc and ivanov\_ak1\_art.doc

### **The structure of the submitted materials**

- UDC (see <http://teacode.com/online/udc/>);
- Initials and surname of the author (authors);
- Title of the report;
- Information about the author (authors): name, patronymic, surname, academic degree, place of work, country, city, e-mail or phone number for contacts;
- Abstract and keywords;
- Text of the report;
- References;

Initials and surname of the author (authors) written in Latin and in English: place of work of the author (authors), annotation, keywords, links.

### **Rules for the design of articles**

- Information about the author (authors): name, patronymic, surname, academic degree, place of work, country, city, e-mail or phone number for contacts;
- Abstract and keywords;
- Text of the paper;
- Bibliography;