

**MINISTRY OF EDUCATION OF TURKMENISTAN  
MINISTRY OF ENERGY OF TURKMENISTAN  
STATE ENERGY INSTITUTE OF TURKMENISTAN**



**«RENEWABLE ENERGY SOURCES  
TRANSITION – THE ENERGY OF THE FUTURE»  
International Scientific Conference**

**PROGRAMME**

**July 8, 2024**

**Mary – 2024**

**RENEWABLE ENERGY SOURCES  
TRANSITION – THE ENERGY OF THE FUTURE  
International Scientific Conference programme**

**Mary city, July 8, 2024, Monday**

*(International Scientific Conference is conducted in a hybrid format)*

**July 8, monday**

<b>Time</b>	<b>Planned events</b>
<b>09:00 – 09:30</b>	Visit to the traveling exhibition of innovative technologies of the State Energy Institute of Turkmenistan and the German Society for International Cooperation “Renewable energy sources transition – the energy of the future”, organized at the venue of the international scientific conference
<i>Venue:</i>	<i>Mary velayat library</i>
<b>09:30 – 10:00</b>	Registration of conference participants
<i>Venue:</i>	<i>Mary velayat library</i>
<b>10:00 – 13:00</b>	Plenary session of the International Scientific Conference.
<i>Venue:</i>	<i>Large conference hall of Mary velayat library</i>
<b>13:00 – 14:00</b>	Break
<b>14:00 – 16:30</b>	Section of the international scientific conference “Innovative technologies in the field of renewable energy sources”
<i>Venue:</i>	<i>Conference hall of Mary velayat library</i>
<b>14:00 – 16:30</b>	The section of the international scientific conference entitled “Innovative technologies based on renewable energy sources in protecting ecology and the environment”
<i>Venue:</i>	<i>Conference hall of Mary velayat library</i>
<b>14:00 – 16:30</b>	The section of the international scientific conference entitled “Legal basis of energy saving and energy efficiency”
<i>Venue:</i>	<i>Conference hall of Mary velayat library</i>
<b>16:30 – 17:00</b>	Final meeting of the International Scientific Conference
<i>Venue:</i>	<i>Mary velayat library</i>
<b>17:00 – 18:00</b>	Performance by the musical group “Kuvvat” of the State Energy Institute of Turkmenistan

## PLENARY SESSION

*Venue:* Mary velayat library

- 1. Serdar Nazarov** (Turkmenistan)  
Rector of the State Energy Institute of Turkmenistan  
Congratulatory speech to the participants of the international scientific conference
- 2. Aganiyaz Dzhumaev** (Turkmenistan)  
Vice-Rector for Scientific Work of the State Energy Institute of Turkmenistan
- 3. Jörn Rosenberg** (Federative Republic of Germany)  
Authorized representative of the Federal Republic of Germany in Turkmenistan
- 4. Akhmetova Irina** (Russian Federation) (Online)  
Vice-Rector for Development and Innovation of the Kazan State Energy University
- 5. Sychev Alexander** (Republic of Belarus) (Online)  
Vice-Rector for Academic Affairs of the Gomel State Technical University named after Pavel Sukhoi
- 6. Yakubova Makhtumakhon** (Uzbekistan) (Online)  
Associate Professor at Tashkent State Technical University named after Islam Karimov
- 7. Kakageldi Sariyev** (Turkmenistan)  
Director of the Scientific and Production Center “Renewable Energy Resources” of the State Energy Institute of Turkmenistan
- 8. Paata Janelidze** (Georgia) (Online)  
Team Leader and Key Expert of the European Union’s SECCA project
- 9. Ilze Purina** (Latvia) (Online)  
Key Expert of the European Union’s SECCA project
- 10. Ballyev Batyr** (Turkmenistan)  
Project Manager UN Development Program
- 11. Oliver Zurovak-Kuzman** (Serbia) (Online)  
Director of the Economic and Environmental Department of the Center of the Organization for Security and Cooperation in Europe

**12. Agris Kamenders** (Latvia) (Online)

International expert on energy management of the European Union's SECCA project

**13. Abdyrahman Myraturdyev** (Turkmenistan)

Deputy Director of the Department of the State Electric Power Corporation "Türkmenenergo" of the Ministry of Energy of Turkmenistan

**14. Paulina Brunn** (Federative Republic of Germany)

Junior Public Diplomacy Consultant on Renewable Energy Transition

## I SECTION

### INNOVATIVE TECHNOLOGIES IN THE FIELD OF RENEWABLE ENERGY SOURCES

*Venue:* Conference hall of the Mary velayat library  
*Head of the section:* **Kakageldi Saryýew** – Director of the Scientific and Production Center “Renewable Energy Resources” of the State Energy Institute of Turkmenistan  
*Secretary:* **Agamyrat Öwülýagulyýew** – Researcher of the Scientific and Production Center “Renewable Energy Resources” of the State Energy Institute of Turkmenistan

- 1. Alexey Zakharov** (Montenegro) (Online)  
International experience in introducing innovative technologies for energy efficiency in the electricity industry
- 2. Allanazarov Nurmhammet** (Turkmenistan)  
Internet portal on renewable energy sources
- 3. Nicolae Zacharia** (Moldavia) (Online), International expert of the European Union’s SECCA project  
Improving energy efficiency through ESCO/ESC: paths to sustainable development
- 4. Mamed Fataliyev** (Turkmenistan)  
Energy saving technologies in modern building systems. Experience of Bouygues Battement International in Turkmenistan
- 5. Atamhammet Saryyev** (Turkmenistan)  
Cooperation between the Ministry of Energy of Turkmenistan and the United Nations Development Program to create a regulatory legal act in the field of sustainable energy
- 6. Oguloraz Saparlyeva** (Turkmenistan)  
A method of using solar energy in the production of biofuel
- 7. Shokhrat Tulemedov** (Turkmenistan)  
Development and analysis of independent water and heat supply systems based on the use of uprooting equipment
- 8. Vepa Saryyev** (Turkmenistan)  
Model of a solar-hydrogen energy system in Turkmenistan
- 9. Kerven Berdiliyev** (Turkmenistan)  
Green energy and sustainable development

## II SECTION

### INNOVATIVE TECHNOLOGIES BASED ON RENEWABLE ENERGY SOURCES IN PROTECTING ECOLOGY AND THE ENVIRONMENT

*Venue:* Conference hall of the Mary velayat library

*Head of the section:* **Tawus Mamedova** – Senior lecturer of the State Energy Institute of Turkmenistan

*Secretary:* **Garayeva Sulgun** - Specialist of the Scientific and Production Center «Renewable Energy Resources» of the State Energy Institute of Turkmenistan

**1. Zhaksylyk Tokaev** (Kazakhstan) (Online), National coordinator in Kazakhstan, the European Union's SECCA project

Development of renewable energy sources and new legislative initiatives in Kazakhstan

**2. Meretdurdy Gurbanyazov** (Turkmenistan)

The importance of solar energy conversion biotechnology in reducing greenhouse gas emissions from livestock farms

**3. Ovezdurdy Jumadurdyev** (Turkmenistan)

Use of microalgae for bioenergy purposes to achieve the Sustainable Development Goals

**4. Dzhemal Durdykova** (Turkmenistan)

Assessment of the impact of electric power facilities on the environment

**5. Azatjan Narbayev** (Turkmenistan)

Estimation of solar and wind energy reserves by region

**6. Myakhri Danatarova** (Turkmenistan)

Methodology for training specialists in non-traditional and renewable energy sources

**7. Parakhat Orazmammedov** (Turkmenistan)

Electrical system for connecting photovoltaic solar stations to the central energy grid

**8. Tawus Mamedova** (Turkmenistan)

Innovative technologies in environmental protection

**9. Myakhruban Orazberdiyeva** (Turkmenistan)

An improved method for producing bioenergy and biomass

### III SECTION

#### LEGAL BASIS OF ENERGY SAVING AND ENERGY EFFICIENCY

*Venue:* Conference hall of the Mary velayat library

*Head of the section:* **Aganiyaz Dzhumayev** – Vice-Rector for Scientific Affairs of the State Energy Institute of Turkmenistan

*Secretary:* **Reyimov Begench** – Head of the Scientific Department of the State Energy Institute of Turkmenistan

**1. Yelena Zhuchenko** (Republic of Belarus) (Online)

International experience in creating a legislative basis for the introduction of innovative energy efficiency technologies

**2. Magtymguly Berdymammedov** (Turkmenistan)

The importance of alternative energy in modern housing construction

**3. Muhammetberdi Rakhimov** (Türkmenistan)

Model of solar energy storage in a solar pond system

**4. Ata Orazmammedov** (Türkmenistan)

Legal basis of energy saving

**5. Victoria Akopova** (Türkmenistan)

Energy and sustainable development

**6. Amirkhan Matiyakubov** (Türkmenistan)

Assessing the effectiveness of using local oils and fats to accumulate thermal energy in concentrated solar power plants

**7. Govher Garakhanova** (Türkmenistan)

Application of foreign experience in stimulating and supporting the development of renewable energy in Turkmenistan

**8. Maral Agayeva** (Türkmenistan)

Opportunities for introducing technologies in the areas of renewable energy sources

**9. Bazarsakhet Altyyev** (Türkmenistan)

The importance of universal technologies in the use of hydrogen fuel in gas turbine plants