



**International Conference**  
**"ENERGY SYSTEMS RESEARCH - 2025"**  
**and the 10<sup>th</sup> Melentiev Readings**  
**dedicated to**  
**the 65<sup>th</sup> anniversary of ESI SB RAS and**  
**the 40<sup>th</sup> anniversary of ERI RAS**  
**September 8<sup>th</sup> – 12<sup>th</sup>, 2025, Irkutsk, Russia**

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***Dear colleagues,***

We invite you to participate in a remarkable event combining the International Conference **"Energy Systems Research"** and **the 10<sup>th</sup> Melentiev Readings**, which will take place from September 8<sup>th</sup> to 12<sup>th</sup>, 2025, **in Irkutsk**.

The organizers are [the Melentiev Energy Systems Institute of Siberian Branch of the Russian Academy of Sciences](#) and [the Energy Research Institute of the Russian Academy of Sciences](#).

This event aims to facilitate an in-depth discussion of the critical issues concerned with the sustainable energy development globally, in Russia, and across various regions, all within the framework of today's global challenges. We anticipate the plenary and sectional presentations from renowned scientists and experts in the field of energy.

*The main topics of the event:*

- Sustainable energy development
- International energy cooperation, interstate energy interconnections
- Energy security
- Energy markets and energy policy
- Management of expansion and operation of energy systems
- Intelligent energy systems, cybersecurity
- Integrated energy systems
- Reliability and quality of energy supply
- Environmental problems of the energy sector
- Innovative energy technologies, renewable energy sources, hydrogen and nuclear energy
- Methodology of systems research, systems analysis, mathematical modeling, computational methods, and information technologies in the energy sector

Abstracts (applications) should be submitted electronically either in English or in Russian through the event's website. Participants have the option to make their presentations either in person or remotely. The official languages are English and Russian.

## Program Committee

- **Alexey A. Makarov**, Co-chairman of the Program Committee, Academician of RAS, Scientific Advisor of the Energy Research Institute of RAS, Moscow, Russia.
- **Valery A. Stennikov**, Co-chairman of the Program Committee, Academician of RAS, Acting Director of the Melentiev Energy Systems Institute of SB RAS, Irkutsk, Russia.
- **Sergey V. Alekseenko**, Academician of RAS, Scientific Director of Kutateladze Institute of Thermophysics of SB RAS, Novosibirsk, Russia.
- **Batmunkh Sereeteriin**, Academician of the Mongolian Academy of Sciences, Scientific Director of the Institute of Heat Engineering and Industrial Ecology, Mongolian State University of Science and Technology, Ulaanbaatar, Mongolia.
- **Bayar Bat-Erdene**, Dr. Eng., Director of the Institute of Energy, Mongolian State University of Science and Technology, Ulaanbaatar, Mongolia.
- **Pavel A. Butyrin**, Corresponding Member of RAS, Professor of the Department of Theoretical Foundations of Electrical Engineering at the National Research University “MPEI,” Moscow, Russia.
- **Vitaly V. Bushuev**, Dr.Eng., Professor, Director General of the Institute of Energy Strategy, Moscow, Russia.
- **Igor V. Bychkov**, Academician of RAS, Scientific Director of the Irkutsk Division of SB RAS, Director of Matrosov Institute of System Dynamics and Control Theory of SB RAS, Irkutsk, Russia.
- **Doan Van Binh**, Director of Institute of Energy Science, Vietnam Academy of Science and Technology, Hanoi, Vietnam.
- **Eduard P. Volkov**, Academician of RAS, Chairman of the Scientific Council of RAS on Complex Problems of Energy Development, Moscow, Russia.
- **Dmitry P. Gladkochub**, Corresponding Member of RAS, Director of the Irkutsk Division of SB RAS, Director of the Institute of the Earth's Crust of SB RAS, Irkutsk, Russia.
- **Ye Xuerong**, Professor, Dean of School of Electrical Engineering & Automation, Harbin Institute of Technology, Harbin, China.
- **Viktor D. Kalashnikov**, Dr. Sc. (Economics), Senator of the Russian Federation, Member of the Federation Council Committee on Economic Policy, Khabarovsk, Moscow, Russia.
- **Valery A. Kryukov**, Academician of RAS, Director of the Institute of Economics and Industrial Engineering of SB RAS, Novosibirsk, Russia.
- **Valery V. Kuleshov**, Academician of RAS, Scientific Director of the Institute of Economics and Industrial Engineering of SB RAS, Novosibirsk, Russia.
- **Mikhail P. Lebedev**, Corresponding Member of RAS, Director General of the Federal Research Center “Yakutsk Scientific Center of SB RAS,” Yakutsk, Russia.
- **Dmitry M. Markovich**, Academician of RAS, Director of Kutateladze Institute of Thermophysics of SB RAS, Novosibirsk, Russia.
- **Alexander A. Mikhalevich**, Academician of the National Academy of Sciences of Belarus, Scientific Advisor of the Institute of Power Engineering of the National Academy of Sciences of Belarus, Minsk, Republic of Belarus.
- **Svetlana N. Nayden**, Dr. Sc. (Economics), Professor of RAS, Deputy Director for Research at the Institute of Economic Research of FEB RAS, Khabarovsk, Russia.
- **Pang Chang Wei**, Ph.D. in Law, Professor, Director of the World Oil Policy Research Center at China University of Petroleum (Beijing, China).
- **Sergey V. Podkovalnikov**, Dr. Eng., Deputy Director for Science, the Melentiev Energy Systems Institute of SB RAS, Irkutsk, Russia.

- **Turatbek T. Omorov**, Dr. Eng., Corresponding Member of the National Academy of Sciences of the Kyrgyz Republic, Director of the Center for Scientific and Educational Programs of the National Academy of Sciences of the Kyrgyz Republic, Bishkek, Kyrgyz Republic.
- **Nikolay D. Rogalev**, Dr. Eng., Rector of the National Research University “Moscow Power Engineering Institute,” Moscow, Russia.
- **Boris G. Saneev**, Dr. Eng., Head of a Research Group at the Melentiev Energy Systems Institute of SB RAS, Irkutsk, Russia.
- **Sergey M. Senderov**, Dr. Eng., Deputy Director of the Melentiev Energy Systems Institute of SB RAS, Irkutsk, Russia.
- **Yuri P. Sentyurin**, Ambassador-at-Large of the Russian Ministry of Foreign Affairs, Moscow, Russia.
- **Sergey P. Filippov**, Academician of RAS, Director of the Energy Research Institute of RAS, Moscow, Russia.
- **Vladislav Yu. Khomich**, Academician of RAS, Academician-Secretary of the Department of Power Engineering, Mechanical Engineering, Mechanics and Control Processes of RAS, Moscow, Russia.
- **Nurali A. Yusifbayli**, Deputy Chairman of the State Agency for Alternative and Renewable Energy Sources, Head of Department of the Azerbaijan State University of Oil and Industry, Baku, Azerbaijan.

## Structure

*The 10th Melentiev Readings.*

*The International Conference "Energy Systems Research – 2025."*

Section 1. Transformation of energy systems.

Section 2. Promising energy technologies: environmentally friendly and resource-efficient energy solutions.

Section 3. International energy systems, world energy.

Section 4. The Eastern dimension of Russia's energy strategy: challenges and prospects.

Section 5. Reliability of fuel and energy supply to the consumer, energy security.

Section 6. Quality of electrical energy.

The Young Scientist Section.

*Joint Russian-Chinese Workshop "Mathematical Modeling of Isolated Hybrid Energy Systems with Renewable Energy Sources."*

## Important dates

<b>July 1<sup>st</sup></b>	Deadline for application (abstract) submission
<b>August 15<sup>th</sup></b>	Notification of acceptance
<b>September 1<sup>st</sup></b>	Deadline for registration and paper submission for publication
<b>September 8<sup>th</sup> -11<sup>th</sup></b>	Sessions
<b>September 12<sup>th</sup></b>	Additional day (round tables, discussions, excursions)

## Proceedings and registration fee

The proceedings will be published as a collection of papers (RSCI). Outstanding papers will be recommended for publication in leading Russian peer-reviewed journals, including Energy Systems Research; Proceedings of RAS. Power Engineering; Information and Mathematical Technologies in Science and Management; Thermal Power Engineering; Elektrichestvo.

Please be aware that your paper can only be published if you attend the event and deliver a presentation.

In-person participation	RUB 7 000
In-person participation for young scientists	RUB 3 500
Remote participation without publication	Free

The registration fee includes essential organizational costs for the event, including publication of program and materials, coffee breaks, and more. Additionally, for those interested, we are pleased to offer an optional trip to Lake Baikal at an extra cost.

## Organizing Committee and Contacts

### Co-Chairs

Valery A. Stennikov, Academician of RAS

### Vice-Chairmen

Sergey P. Filippov, Academician of RAS

Sergey V. Podkovalnikov, Dr. Eng.

Boris G. Saneev, Dr. Eng.

Sergey M. Senderov, Dr. Eng.

### Scientific Secretary

Evgeniy A. Barakhtenko, Ph.D.

### Scientific Secretary of the Young

### Scientist Section

### Secretary

Daria A. Gaskova, Ph.D., [gaskovada@isem.irk.ru](mailto:gaskovada@isem.irk.ru)

Svetlana Yu. Pavlova, tel.+7 (3952) 500646, ext. 207

**E-mail :** [esr\\_conf@isem.irk.ru](mailto:esr_conf@isem.irk.ru)

**Fax:** +7(3952) 426796

**Address:** ESI SB RAS, 130 Lermontov St., Irkutsk, 664033, Russia

**For additional details, please visit our website:** <https://conference.isem.irk.ru/conf/esr-2025/>



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