

Program

Joint Round Table of The National Nuclear Society of the Russian Federation (Russian Federation) and the Nuclear Society of Kazakhstan

“Nuclear Energy and Technologies: A Step into the Future”

Hotel Park Inn by Radisson

8A Saryarka Avenue

Astana, Republic of Kazakhstan, April 24–25, 2025.

| Day one of the seminar – April 24 | |
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| 09.00 – 09.30 | Participant Registration |
| 09.30 – 09.45 | Seminar Opening Moderators: Tazhibayeva Irina Lashkarovna Chair of the Board, Nuclear Society of Kazakhstan Sidorov Evgeny Borisovich Executive Director, The National Nuclear Society of the Russian Federation (RF) |
| 09.45 – 10.00 | General Information about the Seminar: objectives and goals Welcome address by a Representative of the Atomic Energy Agency / Ministry of energy of the Republic of Kazakhstan Mursalova Gulmira Dautovna Deputy Director, Department of Atomic Energy and Industry, Ministry of Energy of the Republic of Kazakhstan Welcome Address by the Deputy Chairman of the State Duma Committee on Industry of the Russian Federation Sklyar Gennady Ivanovich (online) |
| 10.00 – 10.15 | Development of Megascience-Class Infrastructure in the Russian Federation Speaker: Blagov Alexander Evgenyevich Vice President, National Research Center “Kurchatov Institute” |
| 10.15 – 10.30 | Safety and economics of generation IV nuclear power plants Speakers: Adamov Evgeny Olegovich (online) / Kashirsky Andrey Alexandrovich Scientific Director / Head of the analytical Department of the project direction «Breakthrough» “Research and Development Institute of Power Energy named after N.A. Dollezhalya” |
| 10.30 – 10.45 | Atomic Project 2.0: Prospects for the Development of Nuclear Technologies in Russia Speaker: Kovalishin Alexey Anatolyevich Deputy Director for Nuclear Technologies, National Research Center “Kurchatov Institute” |
| 10.45 – 11.00 | Presentation: “Small Modular Reactors as a Tool for Developing Decentralized Energy Supply. ATST ‘Elena-AM’” Speakers: Ustinov Vasily Sergeyevich (online) / Sergey Dmitriyevich Kolesnik Scientific supervisor, First Deputy Head of the Kurchatov complex of nuclear transport and power technologies, NRC “Kurchatov Institute” / lead engineer of the civil energy research group, ship systems modeling department, nuclear transport and power division, Kurchatov complex of nuclear transport and power technologies, National research center “Kurchatov Institute” |
| 11.00 – 11.30 | Coffee Break |

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| 11.30 – 11.45 | Presentation: “Prospects for the Creation of a Nuclear Cluster in the Republic of Kazakhstan” Speaker: Mursalova Gulmira Dautovna – Representative of the Atomic Energy Agency of the Republic of Kazakhstan / Department of Atomic Energy and Industry, Ministry of Energy of the Republic of Kazakhstan / Deputy Director, Department of Atomic Energy and Industry, Ministry of Energy of the Republic of Kazakhstan |
| 11.45 – 12.00 | Presentation: “Scientific and Technical Support for the Development of Nuclear Energy in the Republic of Kazakhstan” Speaker: Maiya Kizatovna Mukusheva Director, Branch of the Republican State Enterprise National Nuclear Center of Kazakhstan in Astana |
| 12.00 – 12.15 | Presentation: “Unique Megascience-Class Scientific Installations with Synchrotron Radiation Sources” Speaker: Zvonarev Sergey Vladimirovich Deputy Head, scientific support department for Megaclass Projects, Kurchatov Complex of Synchrotron-Neutron Research, National Research Center “Kurchatov Institute” |
| 12.15 – 12.30 | Presentation: “Compact Neutron Sources Based on Charged Particle Accelerators” Speaker: Kulevoy Timur Vyacheslavovich Deputy head, applied scientific research and experimental installations complex, Kurchatov complex of theoretical and experimental physics, National Research Center “Kurchatov Institute” |
| 12.30 – 12.45 | Presentation: “Use of neutron scattering methods on extracted beams for applied Speaker: Altynbaev Evgeny Vladimirovich Deputy head for development, engineering center “Neutron technologies”, National research center “Kurchatov Institute” – Petersburg Nuclear Physics Institute |
| 12.45 – 13.00 | Presentation: “Experience in Radioecological Research in Areas of Nuclear Power Plant Facilities” Speaker: Karpenko Evgeny Igorevich First deputy director, National research center “Kurchatov Institute” – All-Russian scientific research institute of radiology and agroecology |
| 13.00 – 14.00 | Lunch |
| 14.00 – 14.15 | Presentation: “Comprehensive environmental survey of areas affected by nuclear testing at the Semipalatinsk test site” Speaker: Mustafina Evgeniya Valeryevna Deputy director, branch of the “Radiation safety and ecology institute,” RSE NNC RK |
| 14.15 – 14: 30 | Presentation: “Development of nuclear medicine based on the nuclear medicine research and education center of the NRC ‘Kurchatov Institute’” Speaker: Karpov Nikita Vadimovich Academic secretary, nuclear medicine research and education center, NRC “Kurchatov Institute” |
| 14.30 – 14.45 | Presentation: “Nuclear technologies for industry and medicine” Speaker: Bekbayev Askhat Kausovich Deputy chief engineer of the WWR-K Research reactor complex, Institute of nuclear physics of the Republic of Kazakhstan (INP RK) |
| 14.45 – 15.00 | Presentation: “Damage mechanisms of irradiated material elements in various types of reactor installations” Speaker: Margolin Boris Zakharovich Deputy head of division, National Research Center “Kurchatov Institute” – Central Research Institute of Structural Materials Prometey |

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| 15.00 – 15.15 | Presentation: “Electrodeless plasma rocket engines (EPREs) and plasma hardening coatings” Speaker: Korobtsev Sergey Vladimirovich Head of the plasma technologies division, Kurchatov complex of nuclear transport energy technologies, National Research Center “Kurchatov Institute” |
| 15.15 – 15.30 | Presentation: “Modern approaches to accelerated testing of reactor materials using ion beams” Speaker: Rogozhkin Sergey Vasilievich Head of the department of atomic-scale and nuclear-physical methods of material research in nuclear technology, Kurchatov complex of theoretical and experimental physics, National Research Center “Kurchatov Institute” |
| 15.30 – 15.45 | Presentation: “Progress in the Development of Structural Materials for Fusion Reactors” Speaker: Budaev Vyacheslav Petrovich Head of the division of advanced projects and technologies, Kurchatov complex of fusion energy and plasma technologies, National Research Center “Kurchatov Institute” |
| 15.45 – 16.00 | Presentation: “Work in the field of controlled thermonuclear fusion and thermonuclear materials science in Kazakhstan” Speaker: Tajibaeva Irina Lashkarovna Senior researcher, Institute of atomic energy, NNC RK |
| 16.00 – 16.30 | Coffee break |
| 16.30 – 16.45 | Presentation: “Ion irradiation as a method for accelerated determination of radiation resistance of reactor materials” Speaker: Sorokin Alexander Andreyevich Head of the radiation materials science sector, National Research Center “Kurchatov Institute” – Central research institute of structural materials “Prometey” |
| 16.45 – 17.00 | Presentation: “Implementation of the Federal Project of the Ministry of Education and Science of the Russian Federation ‘Advanced Engineering Schools’” Speaker: Tikhomirov Georgy Valentinovich (online) Deputy director, Institute of nuclear physics and technology, National Research Nuclear University MEPhI |
| 17.00 – 17.15 | Presentation: “Kazakhstan's cooperation with JINR: successes and prospects” Speaker: Borgekov Daryn Boranbaevich Deputy Director, Astana Branch of the Institute of Nuclear Physics, National Nuclear Center of Kazakhstan |
| 17.15 – 17.45 | Discussion. Summing up. |
| 17.45 – 18.00 | Closing of the seminar. Tajibaeva I.L. – Chairman of the Management Board Nuclear Society of Kazakhstan Sidorov E.B. – Executive Director, National Nuclear Society of the Russian Federation |
| 18.00 – 21.00 | Friendly dinner. |
| Second day of the seminar, April 25th | |
| 10.00 – 12.00 | Sightseeing tour of Astana |