



III International Scientific Forum "Nuclear Science and Technologies" dedicated to the 30th anniversary of Independence of the Republic of Kazakhstan

13th International conference "Nuclear and Radiation Physics"

2nd International conference "Nuclear and Radiation Technologies in Medicine, Industry and Agriculture"

5th ISTC-CERN-JINR-Kazakhstan Summer School on High Energy Physics, Accelerator Technologies, Nuclear and Radiation Physics, Nuclear Medicine

11th Workshop "Central Asian Nuclear Reaction Database Development"

RSE INSTITUTE OF NUCLEAR PHYSICS

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**20-24 September, 2021
Almaty, Kazakhstan**

ANNOUNCEMENT 3

FORUM ORGANIZERS

Ministry of Energy of the Republic of Kazakhstan
RSE "Institute of Nuclear Physics", Ministry of Energy of the Republic of Kazakhstan
RSE "National Nuclear Center of the Republic of Kazakhstan", Ministry of Energy of the Republic of Kazakhstan
Al-Farabi Kazakh National University
L.N. Gumilyov Eurasian National University

FORUM TOPICS

1. Nuclear Physics

- Mechanisms of nuclear reactions and structure of nuclei
- Heavy and super heavy elements: synthesis and fission
- Nuclear physics of low and medium energy, nuclear astrophysics
- Nuclear data related activities

2. Radiation solid state physics and Materials science

- Formation and evolution of defects in solids
- Structural and fuel materials of nuclear and thermonuclear plants
- Modification of materials with the beams of plasma and charged particles
- New materials and methods for their production, nano-materials

3. Atomic energy

- Nuclear research and power plants
- Controlled thermonuclear fusion
- Safety of nuclear energy and the issues of non-proliferation of nuclear materials and technologies

4. Radiation ecology and methods of analysis

- Radio-ecological studies of the former nuclear test sites, risk assessment and the issues of radiation monitoring
- Technologies to reduce the environmental risk of the radiation-hazardous facilities and territories, radioactive wastes management
- Analytical methods in radioecology and nuclear forensics

5. Nuclear and radiation technologies in medicine, industry and agriculture

- Nuclear and radiation technologies in medicine
- Radiation technologies in industry and agriculture

ARRIVAL AND ACCOMMODATION OF PARTICIPANTS

Dear participants of the Forum, please, inform the hotel where you plan to stay in by e-mail or fax before September 18, 2021 to the secretariat of the Organizing Committee of the Forum.

From the airport and from the railway station the participants of the Forum can get to the hotel by public transport or taxi. Information on the bus routes is available on the website of the Almaty Airport <https://www.alaport.com/passagiram/viletauzhim>. Cost of travel in public transport is **150** tenge per trip, payment shall be made in cash to the driver or by the transport card “Onay”. Cost of taxi (Yandex Go, DiDi) **from airport to the center of Almaty** is 2000-3500 tenge (**5-9** US\$).

Transfer will be organized for the participants from the center of Almaty to the Institute of Nuclear Physics during the International Scientific Forum. **The pick-up point: Bogenbai batyr str., 115 in front of the Grand Hotel Tien-Shan. The buses leave at 8:00 am.**

RECOMMENDED HOTELS FOR PARTICIPANTS

When booking, contact the hotel directly and be sure to indicate the code word “Institute of Nuclear Physics. Forum”.

Hotel	Cost of single room per day, KZ tenge
« Grand Hotel Tien-Shan », Bogenbai batyr str., 115 http://ts-hotels.kz/ Booking service: Tel: +7 (727) 244-96-11, 244-96-00 Fax: +7 (727) 244-62-71 reservations@ts-hotels.kz	Standard - from 20 000 Superior - from 24 000
« Almaty », Kabanbai batyr str., 85/133 http://hotelalmaty.kz/ Tel: +7(727)272-00-52, +7(727) 2720047, +7(727) 2720070 Fax: +7(727)272-00-80 sales@hotelalmaty.kz ; reservation@hotelalmaty.kz	Standard - from 20 000 Superior - from 26 000

These hotels are convenient for transfer arrangement from the center of Almaty to the RSE INP. The Forum participants may choose other hotels located close to the recommended hotels. If you wish to choose the accommodation point in other districts of Almaty, it is necessary to preliminarily clarify the issue of transfer to the RSE INP in the organizing committee.

Currency exchange rates are available on the website: **kurs.kz**.

PROGRAM OF FORUM

19th of September (Sunday)

Arrival of the Forum participants.

20th of September (Monday)

Registration of participants	09.00 - 09.30
Opening of the Forum	09.30 - 10.00
Plenary session	10.00 - 13.00
Lunch	13.00 - 14.30
Plenary session	14.30 - 18.00

21st of September (Tuesday)

Section session	09.30 - 13.00
Lunch	13.00 - 14.30
Section session	14.30 - 18.00
Posters	16.00 - 18.00
Gala dinner	19.00 - 22.00

22nd of September (Wednesday)

Section session	09.30 - 13.00
Lunch	13.00 - 14.30
Section session	14.30 - 18.00
Posters	16.00 - 18.00

23rd of September (Thursday)

Excursion to the "Kolsay Lakes" (or Free Day)	08.30 - 20.00
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24th of September (Friday)

Plenary session	09.45 - 12.30
Summary of Forum results, closing of the Forum	12.30 - 13.00
Lunch	13.00 - 14.30
Departure of the Forum participants	14.30 - 15.00

The PROGRAM of plenary, session and poster presentations is available in the Annex to the Announcement 3

PRESENTATIONS

Duration of plenary talk is 20-30 minutes; duration of session talk is 15-20 minutes. The volume of poster is 1-2 sheets of A1 format.

Articles based on the reports presented at the International Forum can be published in the following journals:

«Acta Physica Polonica B Conference Series» https://www.actaphys.uj.edu.pl/index_i.php?I=S

«IOP Journal of Physics Conference Series» <https://iopscience.iop.org/journal/1742-6596>

Detailed information on the publication terms can be found on the conference website, in the section "Terms of publication".

FORUM LANGUAGES

Forum languages are Russian and English.

REPUBLIC OF KAZAKHSTAN STATE BORDER CROSSING INFORMATION

To cross the state border of the Republic of Kazakhstan, the foreign citizens shall have a certificate in English with a negative PCR test result, issued no earlier than 72 hours before arriving in the territory of the Republic of Kazakhstan.

More information is available on the website:

<https://www.gov.kz/memleket/entities/shekaraknb/press/article/details/28054?lang=ru>

REGISTRATION FEE

Registration fee is **\$200** for the Forum participants.

More details can be found on **the RSE INP website** in the Registration Fee Section.

The registration fee covers technical services, the book of Forum abstracts, coffee breaks, buffet and official reception.

Payment of the registration fee is made by payment transfer to the bank account of RSE "Institute of Nuclear Physics"

Details for payment transfer:

The Republic State Enterprise acting on a self-supporting economic basis «Institute of Nuclear Physics» of the Ministry of Energy of the Republic of Kazakhstan (RSE «INP» ME RK)

Republic of Kazakhstan, 050032, Almaty, Alatau micro-district, Ibragimov str. 1, Tel.: 8 (727) 386-68-00
BIN 990440002559

Account KZ42856000000004087 (KZ tenge)

Account KZ788560000009622250 (USD dollars)

Account KZ248560000009622252 (Euro)

Account KZ84856000000025447 (Russian rubles)

BIC KCJBKZKX

KBE16

JSC «BankCenterCredit»

Purpose of payment «Registration fee for participation in the International Scientific Forum, full name of the participant»

FORUM VENUE AND FORM

The forum will be held at the RSE «Institute of Nuclear Physics» in Almaty, as well as online using the links to the **ZOOM conference**:

1. Opening and closing of the Forum (Monday / Friday), 1 section:

Conference ID: 384 149 6433

Access code: JXUC40

<https://us02web.zoom.us/j/3841496433?pwd=aGNlMzNTeVFUMFd3YllhLy85ZXpCQT09>

2. Section 2 (Tuesday / Wednesday):

Conference ID: 882 160 0485

Access code: k3xEUz

<https://us02web.zoom.us/j/8821600485?pwd=Z3lITHhIWWR4cGI3eVFQODdVWU90UT09>

3. Section 3 (Tuesday / Wednesday):

Conference ID: 564 563 7121

Access code: 6p36k6

<https://us02web.zoom.us/j/5645637121?pwd=L2oxTzFzTHVmKzhmTVNvREg1Rmx1dz09>

4. Section 4 (Tuesday / Wednesday):

Conference ID: 514 155 7355

Access code: aG0Bra

<https://us02web.zoom.us/j/5141557355?pwd=Z1VTcVkxdFIianh5SVZFeXVmS0JCQT09>

5. Section 5 (Tuesday / Wednesday):

Conference ID: 722 660 1258

Access code: g7Vs1a

<https://us02web.zoom.us/j/7226601258?pwd=dnZLQlJlUGVxMGZsRDcydW91dVpZUT09>

The organizing committee urge the participants of the online sessions to indicate their full name and organization in the ZOOM profiles (example Ivan Ivanov Ivanovich - INP RK). Access to online sessions will be possible if these requirements are met.

EXCURSION AND WEATHER

Within the framework of the Forum it is planned to visit the Kolsay Lakes (<https://kazakhstan.travel/tourist-spot/ru/35/kolsay-lakes>) located in the Tien-Shan mountains. The organizing committee recommends bringing appropriate mountain clothing and footwear.

Average air temperature is +20 – 25 °C at day and +10 – 15 °C at night in September in Almaty.

FORUM SECRETARIAT DETAILS

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