

## FORUM ORGANIZERS

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

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Tuimebayev Zh.K. (KazNU, Kazakhstan)  
Tostevin J.A. (US, UK)  
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Zelenskaya N.S. (MSU, Russia)  
Zdorovets M.V. (INP, Kazakhstan)  
Zholdybayev T.K. (INP, Kazakhstan)

## 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 measurement, compilation, evaluation and dissemination

### 2. Materials science and radiation solid state physics

- Formation and evolution of defects in solids
- Structural and fuel materials of nuclear and fusion facilities
- Modification of materials with the beams of plasma and charged particles
- New materials and methods of their preparation, nano materials

### 3. Atomic energy

- Nuclear research and power plants

- Controlled thermonuclear fusion
  - Safety of nuclear energy and issues of non-proliferation of nuclear materials and technologies
4. Radiation ecology and methods of analysis
- Radio-ecological studies of former nuclear test sites, assessment of risks and radiological issues.
  - Technologies for reducing ecological risk of the radiation-hazardous facilities and territories, radioactive wastes handling
  - 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

## FORUM VENUE

The International Scientific Forum will take place in Almaty in the RSE «Institute of Nuclear Physics», ME RK

## FORUM LANGUAGES

Forum languages are Russian and English.

## ABSTRACTS

Abstracts (in Russian or English) are to be submitted in Word format to the Forum Secretariat not later than **May 31, 2021** to e-mail [forum@inp.kz](mailto:forum@inp.kz). Please use **Times New Roman** font, 10 points. The abstract shall not exceed one A4 paper page (210x297 mm) with the following margins: top - 25 mm; left - 30 mm; bottom - 25 mm; right - 15 mm.

The titles should be typed in capital letters. Two intervals after the paper title, please, indicate the authors' surnames and initials and name of organizations, including city and country they represent. Then, 2 intervals below, paper abstract text shall be typed with single line spacing. The Book of Forum Abstracts will be published by the start of the Forum.

Selected proceedings will be published in the journal, indexed by Web of Science or Scopus data base. All papers will be refereed. The rules for proceedings editing and the deadlines for submission to the Forum Secretariat will be available on the website [www.inp.kz](http://www.inp.kz).

### REGISTRATION FORM

Full name \_\_\_\_\_  
Academic degree, rank \_\_\_\_\_  
Organization, position \_\_\_\_\_  
Address \_\_\_\_\_  
E-mail \_\_\_\_\_  
Fax \_\_\_\_\_  
Telephone \_\_\_\_\_  
I am going to make verbal presentation (Section No.) \_\_\_\_\_  
I am going to make poster presentation (Section No.) \_\_\_\_\_  
Paper title in Russian \_\_\_\_\_  
Paper title in English \_\_\_\_\_  
Authors \_\_\_\_\_  
For arranging access to the territory of RSE INP the following additional information is required:  
Birth date and place \_\_\_\_\_  
Place of residence \_\_\_\_\_  
Identity Card No., date of issue, valid until \_\_\_\_\_

**Please, attach the ID scan-copy**

### REGISTRATION FEE

Registration fee is \$200 for the participants, to be paid until **June 25, 2021**.

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

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

*Requisites for payment transfer:*

The Republic State Enterprise acting on a selfsupporting basis "Institute of Nuclear Physics", Ministry of Energy of the Republic of Kazakhstan (RSE "INP" ME RK)

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

BIN 990440002559

Account: KZ42856000000004087 (KZ tenge)

Account: KZ78856000009622250 (USD dollars)

Account: KZ24856000009622252 (Euro)

Account: KZ84856000000025447 (Russian rubles)

SWIFT code: KCJBKZKX

KBE16

JSC «Bank Center Credit»

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

After the **25th of June 2021** the registration fee is \$250, to be transferred by the participants.

### IMPORTANT DATES

**April 30, 2021** - submission of the Registration Form to the Forum Organizational Committee

**May 31, 2021**- the deadline for paper abstracts submission

**June 15, 2021** - issue of the second announcement

**June 25, 2021** - confirming the payment of the registration fee

### THE CULTURAL PROGRAM

Visit to the «Altyn-Emel» National Park

[https://en.wikipedia.org/wiki/Altyn-Emel\\_National\\_Park](https://en.wikipedia.org/wiki/Altyn-Emel_National_Park)

### FORUM MODES

On-line and off-line

### CONTACT DETAILS FORUM SECRETARIAT ADDRESS

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The Forum Secretariat:

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<http://www.inp.kz>

### First announcement



## III International Scientific Forum “Nuclear Science and Technologies”

**13th International conference**

**“Nuclear and Radiation Physics”**

**2nd International conference**

**“Nuclear and  
Radiation Technologies in Medicine, Industry  
and Agriculture”**

**11th Workshop “Asian Nuclear Reaction  
Database Development”**

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