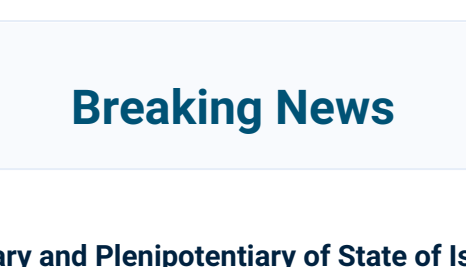


## JINR Newsletter #26, 17 July 2024

Dear colleagues and friends,

The ways to develop the existing fruitful partnership with Israel were recently discussed at JINR during the visit of Ambassador of Israel to Russia Simona Halperin to JINR. At the meeting in Irkutsk, representatives of JINR, Kazakhstan, Russia, Serbia, and South Africa discussed areas for enhancing cooperation in radiation materials science.

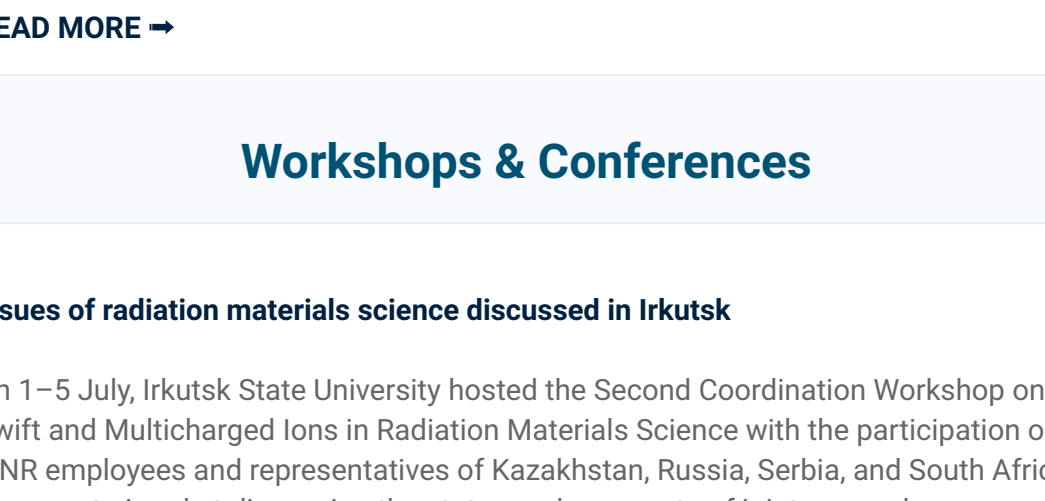
Conferences, new research results, work of the JINR scientific youth, Science Art activities, and much more are in the latest issue of the JINR Newsletter.



## Breaking News

### Ambassador Extraordinary and Plenipotentiary of State of Israel to Russia visits JINR

On 11 July, Ambassador Simona Halperin met with the JINR Directorate to consider ways of strengthening scientific partnership between the Institute and Israel. The parties highlighted the accomplishments of their joint work and expressed interest in further cooperation development as part of the NICA Project and in applied research.



[READ MORE →](#)

## Workshops & Conferences

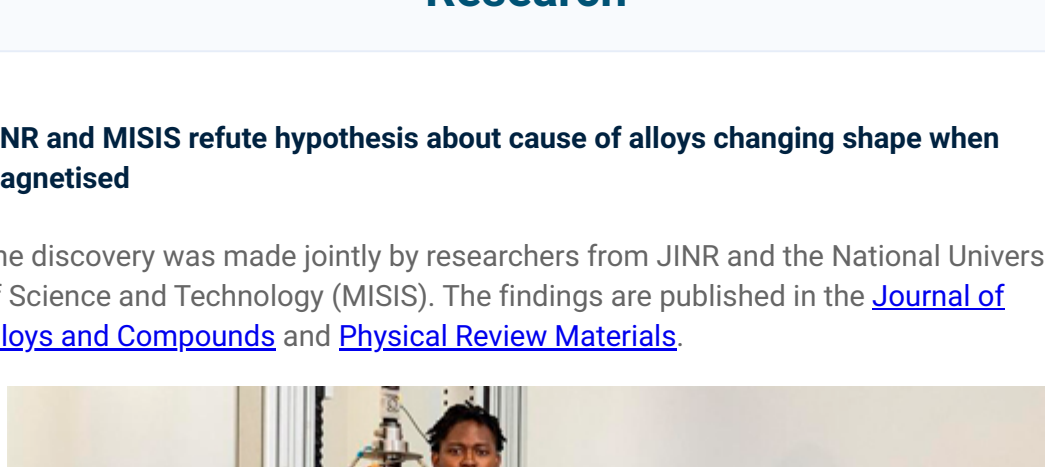
### Issues of radiation materials science discussed in Irkutsk

On 1–5 July, Irkutsk State University hosted the Second Coordination Workshop on Swift and Multicharged Ions in Radiation Materials Science with the participation of JINR employees and representatives of Kazakhstan, Russia, Serbia, and South Africa. The event aimed at discussing the status and prospects of joint research.

[READ MORE →](#)

### Theoretical and experimental physicists consider problems of condensed matter theory at BLTP at JINR

On 15–19 July, the second international conference entitled "Modern Problems of Condensed Matter Theory" is taking place, with more than 90 researchers from Russia and other countries participating. The agenda of the event includes talks on a wide range of important fundamental and applied issues of condensed matter theory.

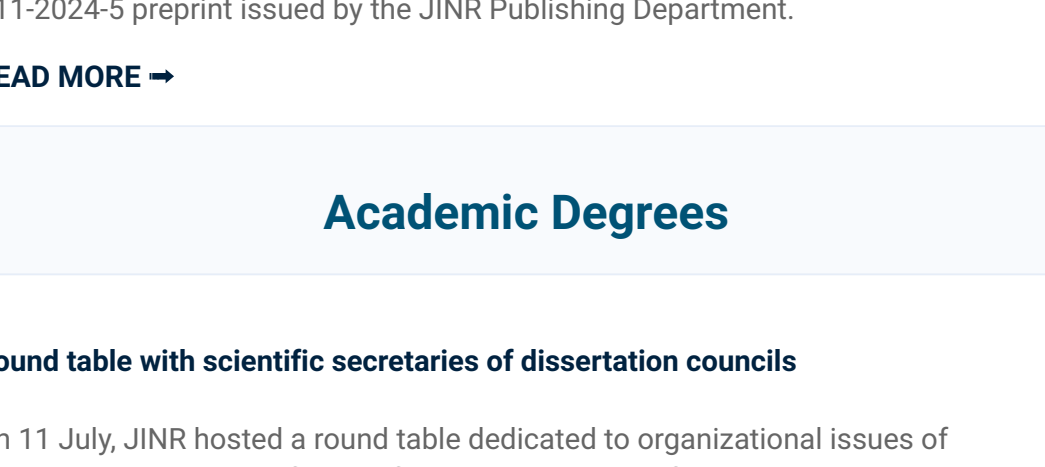


[READ MORE →](#)

## Research

### JINR and MISIS refute hypothesis about cause of alloys changing shape when magnetised

The discovery was made jointly by researchers from JINR and the National University of Science and Technology (MISIS). The findings are published in the [Journal of Alloys and Compounds](#) and [Physical Review Materials](#).



[READ MORE →](#)

### Application of Hopfield Network in SPD track reconstruction

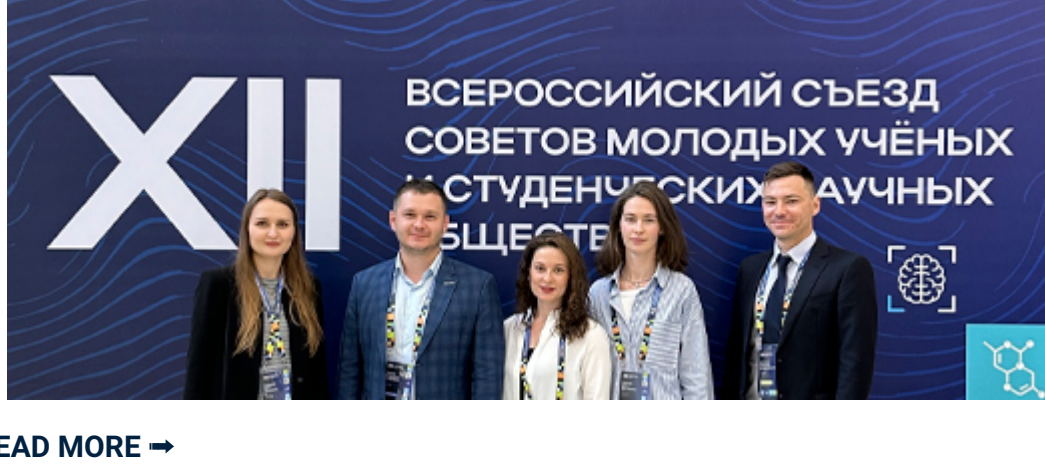
MLIT scientists at JINR investigated methods for tracking simulated events of the SPD Experiment based on the Hopfield Neural Network. You can find out more in the P11-2024-5 preprint issued by the JINR Publishing Department.

[READ MORE →](#)

## Academic Degrees

### Round table with scientific secretaries of dissertation councils

On 11 July, JINR hosted a round table dedicated to organizational issues of independent awarding of scientific degrees. As part of the event's programme, seven researchers received diplomas: Enkhbold Sansarbayar, Dmitry Soloviev, Mereigul Tezembayeva (FLNR), Yury Bystritskiy, Denis Tolkachev, Timur Shneidman (BLTP), and Sergey Khlebtsov (Kurchatov Institute).

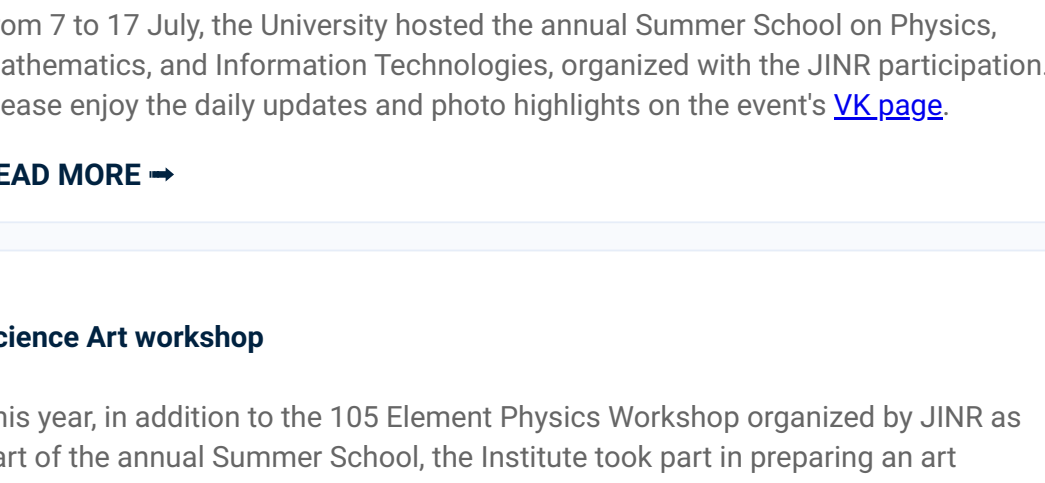


[READ MORE →](#)

## JINR Youth

### JINR at young scientists' congress

The 12th All-Russian Congress of Councils of Young Scientists and Student Scientific Societies started in Vladivostok. Among the 1000 participants was a delegation of the Association of Young Scientists and Specialists of JINR (AYSS JINR).



[READ MORE →](#)

### AYSS Council Chair discusses issues of engaging youth in science

On the second day of the 12th All-Russian Congress of Councils of Young Scientists and Student Scientific Societies, Vladislav Rozhkov took part in a panel discussion entitled "From struggling with abstracts to doing science". He shared the Institute's experience of cooperating with universities and organizing educational events.

[READ MORE →](#)

## Education

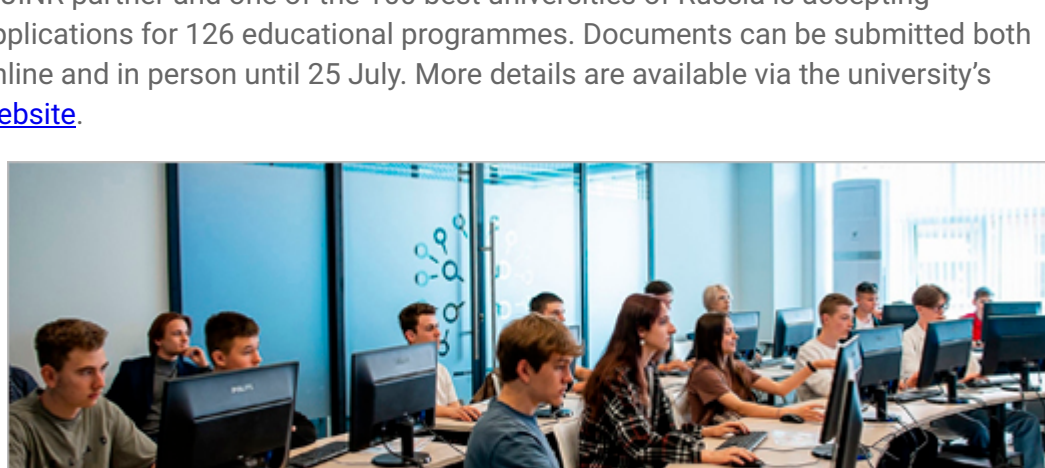
### Summer School at Dubna University

From 7 to 17 July, the University hosted the annual Summer School on Physics, Mathematics, and Information Technologies, organized with the JINR participation. Please enjoy the daily updates and photo highlights on the event's [VK page](#).

[READ MORE →](#)

### Science Art workshop

This year, in addition to the 105 Element Physics Workshop organized by JINR as part of the annual Summer School, the Institute took part in preparing an art exhibition dedicated to science. Workshop Co-Director, Assistant of JINR Chief Scientific Secretary Varvava Fufaeva discussed the results of Science Art.



[READ MORE →](#)

### International Computer School finishes

18 July will mark the last day of the 36th International Summer Computer School, which started on 1 July at the JINR Ratmino Resort Hotel. You can find the photos from the ICS and a recording of the final conference of the School on the event's [VK page](#).

[READ MORE →](#)

## Publications

### Selected JINR scientific results of 2017–2023

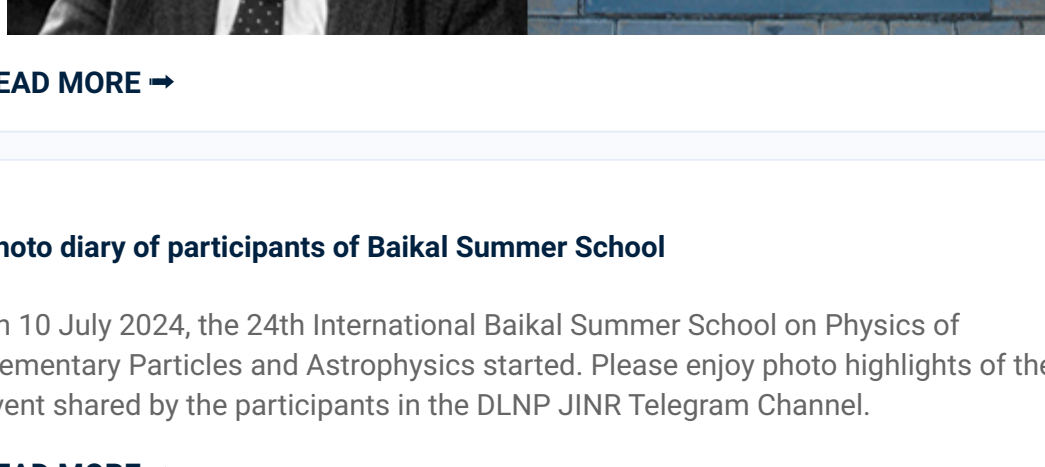
A review of scientific results obtained at the Joint Institute for Nuclear Research as part of the Seven-year plan for the development of the Institute (2017–2023) was published.

[DOWNLOAD →](#)

## Announcements

### Enrolment continues at Dubna University

A JINR partner and one of the 100 best universities of Russia is accepting applications for 126 educational programmes. Documents can be submitted both online and in person until 25 July. More details are available via the university's [website](#).



[READ MORE →](#)

### Biomembranes'24 International Conference

Moscow Institute of Physics and Technology (Russia) and iHuman Institute (China) invite students, postgraduates, scientists, and specialists whose work is connected to structural biology, biophysics, and related disciplines to take part in the conference. The deadline for abstract submission is 19 August.

[READ MORE →](#)

### Tennis tournament in memory of Dzehlepov Brothers

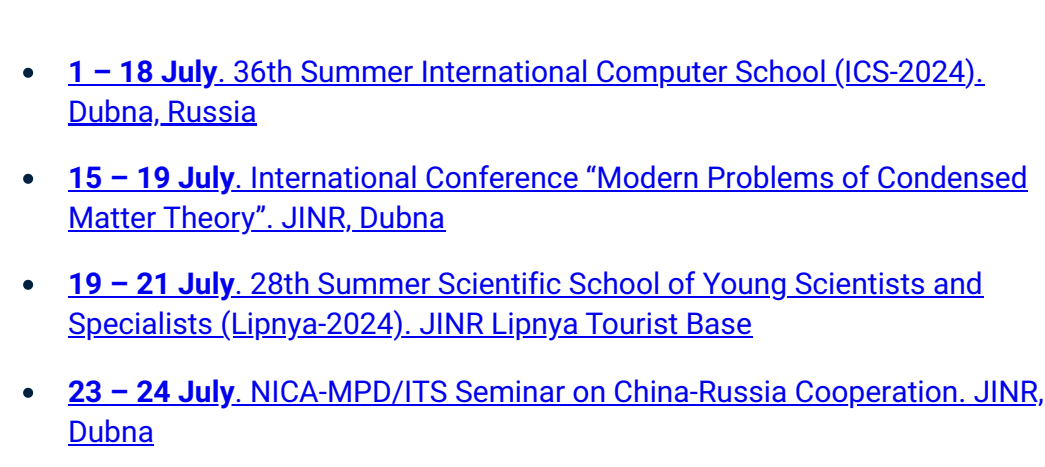
A tournament in memory of outstanding physicists, cousins Venedikt and Boris Dzehlepov will be held on 3–4 August. The event will take place at the JINR Tennis Courts near the Archimedes Swimming Pool.

[READ MORE →](#)

## Media

### Georgy Flerov's name could be immortalised in Walk of Stars in Rostov-on-Don

Annual voting to choose an outstanding Rostov-on-Don citizen whose name will be immortalised on a Star memorial sign started. This year, the list includes Georgy Flerov, the famous nuclear physicist, a JINR founding father. Everyone interested is welcome to vote on the event's [website](#) until 1 August.



[READ MORE →](#)

### Photo diary of participants of Baikal Summer School

On 10 July 2024, the 24th International Baikal Summer School on Physics of Elementary Particles and Astrophysics started. Please enjoy photo highlights of the event shared by the participants in the DLNP JINR Telegram Channel.

[READ MORE →](#)

### Embarking on journey of over thousand li with JINR

Filming of *A Journey of over a thousand li* science fiction project took place at the Joint Institute. Sergei Merts (VBLHEP), Mikhail Kapralov and Yuri Severyukhin (LRB), Mikhail Zarubin (DLNP), Valery Shvetsov (FLNP), and Sergei Nikiforov (IKI RAS) discussed the Institute's scientific work in terms of space exploration.



[READ MORE →](#)

### Video about past week JINR events

We offer you to watch a video review of highlights from the life of the Institute.

[WATCH →](#)

### JINR Weekly Newspaper issued

A new issue of the JINR Weekly Newspaper #27 has been published. Note that you can read an English version on the JINR Newspaper's website.

[READ MORE →](#)

## Upcoming Events

### Conferences

- [1 – 18 July. 36th Summer International Computer School \(ICS-2024\). Dubna, Russia](#)
- [15 – 19 July. International Conference "Modern Problems of Condensed Matter Theory". JINR, Dubna](#)
- [19 – 21 July. 28th Summer Scientific School of Young Scientists and Specialists \(Lipnya-2024\). JINR Lipnya Tourist Base](#)
- [23 – 24 July. NICA-MPD/ITS Seminar on China-Russia Cooperation. JINR, Dubna](#)
- [21 July – 5 August. Element 105 Workshop. JINR Volga Recreation Centre](#)

### Seminars

- [19 July, 11:30 AM. VBLHEP "Observation of 28 GeV resonance in two-muon decay mode on CMS Run I and Run II data" by Olga Kodolova](#)
- [23 July, 11:00 AM. BLTP "Magnetised atomic nuclei, clusters, and their ensembles. Synthesis processes and properties" by Vladimir Kondratyev](#)

### Culture

- [16 July - 1 September. Daily from 1:00 to 7:00 PM \(except Monday\). JINR Mir Cultural Centre. Art exhibition](#)
- [18 July, 7:00 PM. JINR Universal Public Library. Summer Reading List book club](#)
- [19 July, 6:00 PM. JINR Universal Public Library. JINR Cinema Club](#)

[ALL JINR EVENTS →](#)