



JINR Newsletter #35, 24 November 2022

Dear colleagues and friends,

It's been a year since the Arab Republic of Egypt has become a full-fledged Member State of the Joint Institute. To commemorate this, the November events of the JINR governing bodies were held in Egypt. Read about the meeting of the JINR Finance Committee and the session of the JINR Committee of Plenipotentiaries in this issue of the JINR Newsletter. A presentation of the JINR Digital Ecosystem took place within the CP JINR meeting. A meeting of the JINR-Egypt Coordination Committee, which is responsible for solving the issues of the cooperation of the parties, concluded a rich programme of events of the guest CP session.

In this issue, you will also find interesting interviews, records of lectures, seminars, and much more.

JINR Press Office



Governing Bodies

Meeting of JINR Finance Committee opened event programme of JINR governing bodies in Egypt

On 21 November, a regular meeting of the JINR Finance Committee was held in Egypt on the eve of the meeting of the JINR Committee of Plenipotentiaries. JINR Director Grigory Trubnikov presented the main results of the year at the Institute, as well as the draft of the Seven-Year Plan for the Development of JINR in 2024 – 2030. Participants considered the Institute's budget for 2023 and the execution of the JINR budget in 2022.

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Seven-Year Plan for Development of JINR in 2024 – 2030 presented at CP JINR

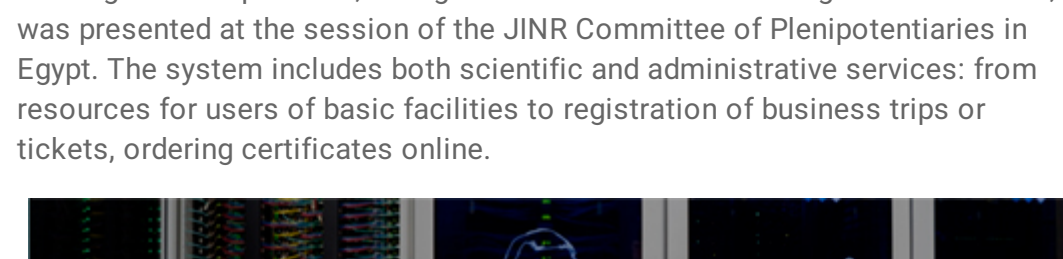
On 23 November, at the session of the JINR Committee of Plenipotentiaries in Egypt, Grigory Trubnikov for the first time presented to Plenipotentiaries of the JINR Member States the draft of the Seven-Year Plan for the Development of JINR in 2024 – 2030. JINR Director made a report on the state of the art at the Institute and the main scientific results.



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Digital JINR Ecosystem presented at CP JINR

The Digital JINR platform, a single window into the JINR's digital environment, was presented at the session of the JINR Committee of Plenipotentiaries in Egypt. The system includes both scientific and administrative services: from resources for users of basic facilities to registration of business trips or tickets, ordering certificates online.

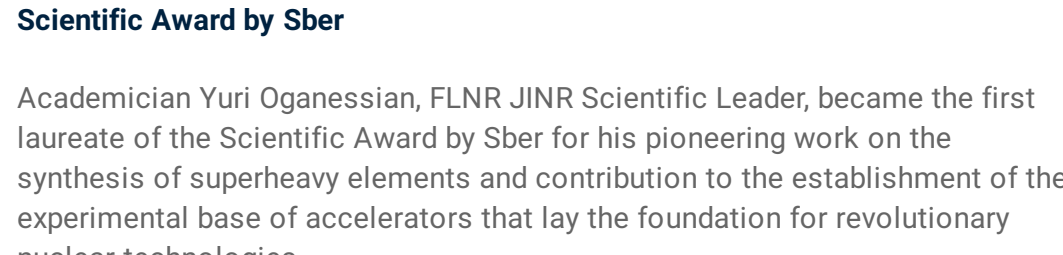


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Awards

Scientific Award by Sber

Academician Yuri Oganessian, FLNR JINR Scientific Leader, became the first laureate of the Scientific Award by Sber for his pioneering work on the synthesis of superheavy elements and contribution to the establishment of the experimental base of accelerators that lay the foundation for revolutionary nuclear technologies.



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Research

Simulation of thermal processes in materials under the action of laser pulses

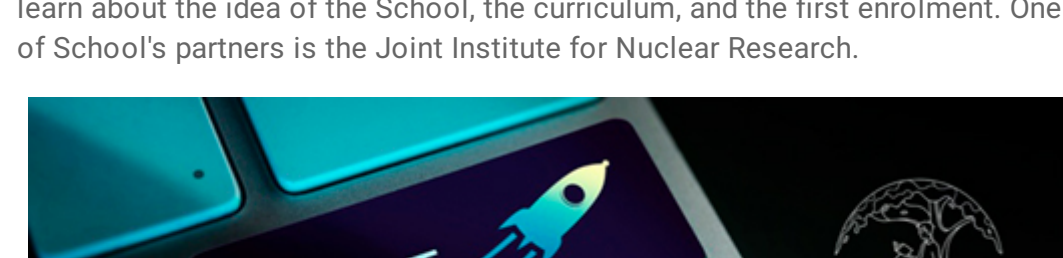
The JINR Publishing Department has released a preprint "Simulation of thermal processes appearing in materials under the action of laser pulses within the hyperbolic thermal peak model" P11-2022-31. The authors propose a modification of the thermal spike model (TSM) based on a system of two coupled hyperbolic heat conduction equations.

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Education

The School of Technological Entrepreneurship opens its doors

In an interview with Director of the School, a teacher of the Department of Distributed Information and Computing Systems T. M. Bednyakova, you will learn about the idea of the School, the curriculum, and the first enrolment. One of School's partners is the Joint Institute for Nuclear Research.



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JINR Community

JINR Cinema Club

This Friday, on 25 November, you can enjoy watching an interesting film "A Separation" (2011) by an Iranian film director Asghar Farhadi. All are kindly invited! Please note that this time the film will be shown in the JINR Universal Public Library.



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Guttenberg's Smoking Room meeting

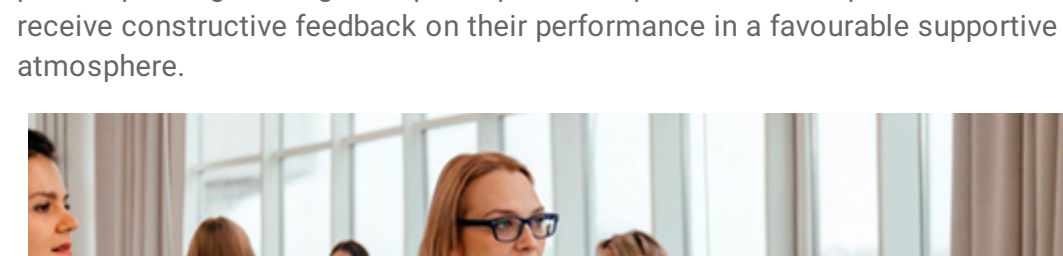
Blokhinka invites all interested to Guttenberg's Smoking Room meeting, where non-fiction books are retold and discussed. This is a great opportunity to learn the main thoughts of books and understand if it is interesting to read more. The meeting will be held on 26 November at 6:00 PM.

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Announcements

Workshop on public speaking

On Saturday, 26 November, at 12:00 PM, the JINR Universal Public Library invites you to a workshop on public speaking. The first part of the meeting is a public speaking training, then participants will practice. Each speaker will receive constructive feedback on their performance in a favourable supportive atmosphere.



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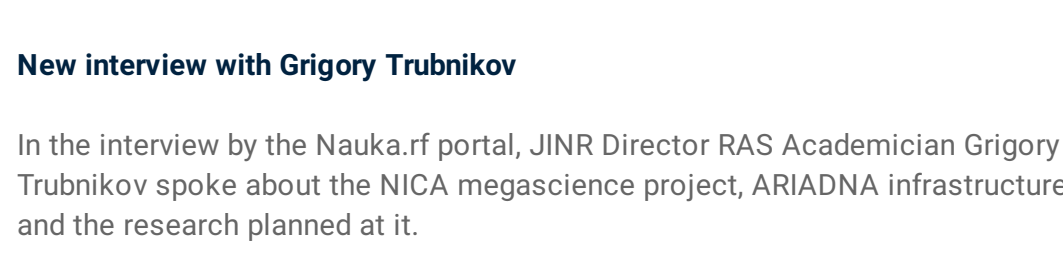
AYSS seminar postponed

Unfortunately, there will be no seminars at the JINR Scientists' Club on 24 November and 1 December for technical reasons. The next seminar will be held on 8 December. All are kindly invited!

Media

New interview with Grigory Trubnikov

In the interview by the Nauka.ru portal, JINR Director RAS Academician Grigory Trubnikov spoke about the NICA megascience project, ARIADNA infrastructure, and the research planned at it.



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Coverage of JINR flagship projects

The Russia 24 TV channel has released a special coverage in which viewers will learn about two JINR flagship projects: the Baikal-GVD Neutrino Telescope and the NICA Accelerator Complex. The coverage also provides information on the PIK Reactor of Petersburg Nuclear Physics Institute, a long-term partner of JINR.

[WATCH →](#)

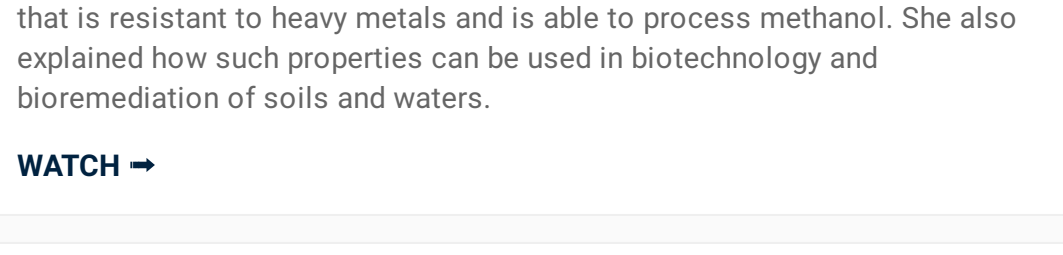
Record of seminar about extremophilic bacterium

We offer you to watch the record of the seminar "A new species of extremophilic microorganism discovered in an underground spring of the Baikan neutrino observatory (BNO) of INR RAS", which took place on 16 November. Alena Yakhnenko (DLNP) spoke about an extremophilic bacterium that is resistant to heavy metals and is able to process methanol. She also explained how such properties can be used in biotechnology and bioremediation of soils and waters.

[WATCH →](#)

Interview with Samvel Harutyunyan

In an interview with the Voice of Armenia newspaper, Deputy Director of the Laboratory of Information Technologies, Doctor of Physics and Mathematics Samvel Harutyunyan spoke about the creation of a research technological university in Dubna.



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Record of lecture "The Origin of Man"

We offer to your attention a record of the lecture "The Origin of Man", which was held in the JINR Universal Public Library on 5 November. Stanislav Drobyshesky spoke about our ancestors and their cousins and second cousins.

[WATCH →](#)

Record of seminar from series "Lifehacks of some use for a scientist"

We offer you to watch the record of the seminar "Getting prepared to speak in public" from a seminar series "Lifehacks of some use for a scientist", which took place on 18 November. You can learn what affects the perception of the audience, tuning in with your listeners, and how to impress them.

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JINR Weekly Newspaper issued

New issue of the JINR Weekly Newspaper #45 has been published. Please note that you can read an English version of the JINR newspaper's website.

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Upcoming Events

Seminars

- **24 November 2022, at 11:00 AM, DLNP, "COMET Experiment at the J-PARC Accelerator Complex (Japan)" by Z. Tsamalaidze**
- **24 November 2022, at 11:00 AM, DLNP, "General patterns and locus specific features of radiomutability of sex-linked and autosomal genes of *Drosophila melanogaster*" by I. D. Alexandrov**
- **24 November 2022, at 11:00 AM, FLNR, "Synthesis of volatile organometallic compounds of metals for the production of accelerated ion beams by the MIVOC method" by Daler Abusamadzoda**
- **25 November 2022, at 7:00 AM, BLTP, "Creation of a dark photon in bremsstrahlung in proton-proton collisions" by E. A. Kryukova**
- **25 November 2022, at 11:00 AM, DLNP, Lecture of a series of DLNP seminars "Lifehacks of some use for a scientist". "Voice of a leader" by Oksana Pliskovskaya**
- **25 November 2022, at 11:30 AM, VBI HEP, "Silicon track system for the BM@N experiment: current status and prospects" by Dmitrii Dementev and "Measurement of angular polarization coefficients in the Drell-Yang process in the CMS experiment at LHC at $\sqrt{s}=13$ TeV" by Viacheslav Shalagin**
- **28 November 2022, at 11:00 AM, BLTP, BLTP Journal Club, "Supersymmetric quantum mechanics and the Blemann hypothesis" by Nugzar Makhaldjian**
- **28 November 2022, at 11:00 AM, FLNP, Meeting of the Working Group on the development of the concept of the instrument base for the new neutron source at FLNP. JINR, "Applications of neutrons in life sciences" by T. N. Murugova**
- **28 November 2022, at 3:30 PM, BLTP, "Optimal bounds on the speed of the Schrödinger evolution of subspaces" by A. K. Motovilov**
- **1 December 2022, at 11:00 AM, "Experimental results from the STAR Experiment at Relativistic Heavy Ion Collider" by Lokesh Kumar**

Culture

- **24 November – 18 December 2022, daily from 1:00 to 7:00 PM (except Monday), JINR Cultural Centre "Mir", Exhibition of macro photography "Hidden Worlds"**
- **24 November 2022, at 7:00 PM, JINR Universal Public Library, Book club "Summer Reading List", discussing the book "An evening with Claire" by Galto Gazdanov**
- **25 November 2022, at 6:00 PM, JINR Universal Public Library, JINR Cinema Club**
- **25 November 2022, at 7:00 PM, JINR Scientists' Club, Concert of romances at JINR Scientists' Club**
- **25 November 2022, at 7:00 PM, JINR Cultural Centre "Mir", Arctic Documentary Film Festival, Film "I am polar bear"**
- **26 November 2022, at 12:00 PM, JINR Universal Public Library, Workshop on public speaking**
- **26 November 2022, at 5:00 PM, JINR Universal Public Library, Meeting of the club "Children's reading through the eyes of adults"**
- **26 November 2022, at 6:00 PM, JINR Universal Public Library, "Guttenberg's Smoking Room" meeting**
- **26 November 2022, at 7:00 PM, JINR Cultural Centre "Mir", Ballet suite**
- **1 December 2022, at 7:00 PM, JINR Universal Public Library, Meeting of the book club "Hairlin", discussing the book "Women of Lazarus" by Marina Steznova**

For Kids

- **26 November 2022, at 4:00 PM, JINR Universal Public Library, Meetings "Engineering", "Let's READers", and "Growing up from 'Let's READers'"**

[ALL JINR EVENTS →](#)