

The 7th international conference on particle physics and astrophysics

ICPPA–2024

Bulletin n.2

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Introduction

General information

The 7th International Conference on Particle Physics and Astrophysics (ICPPA-2024) will be held in Moscow, Russia, (from the 22nd to 25th of October). The conference is organized by National Research Nuclear University «MEPh». The aim of the Conference is to share scientific knowledge, to promote contacts between scientists and to develop new ideas in fundamental research. We will bring together experts and young scientists working in experimental and theoretical areas of nuclear physics, particle physics (including astroparticle physics), and cosmology. Most recent results from the modern experiments in these areas and advanced detector technology development will be presented and discussed.

Conference fee

Regular conference fee is **40000 rubles** (~ 380 euro). The fee includes coffee breaks, conference dinner, social events and organizing expenses (including peer-review of one conference paper).

This year the conference is supported by the Priority 2030 program of Russian Ministry of Science and Education, thanks to it the conference fee for participants from scientific organizations of Russia and from scientific organizations of member-states of EAEU (including JINR) is reduced. Two options are available: full fee of **9000 rubles** and special fee **6000 rubles** (conference dinner is not included). Accompanying person to conference dinner only from scientific organizations of Russia and from scientific organizations of member-states of EAEU (including JINR) **3000 rubles**. Students and PhD students may apply for financial support.

Scientific program

The conference will cover the following topics:

- Astroparticle physics
- Facilities and advanced detector technologies
- Gravitation and cosmology
- Heavy ion physics
- High energy physics: experiment
- High energy physics: theory
- Neutrino physics
- Nuclear physics

Committees

International Program Committee:

- V. Matveev, JINR, Dubna, Russia (Chair)
- V. Shevchenko, MEPhI, Moscow, Russia (Co-chair)
- M. Skorokhvatov, NRC Kurchatov Institute, Moscow, Russia (Co-chair)
- A. Ayala, UNAM, Mexico City, Mexico
- A. Bolozdynya, MEPhI, Moscow, Russia
- O. Dalkarov, LPI RAS, Moscow, Russia
- M. Danilov, LPI RAS, Moscow, Russia
- J. Fabris, UFES, Vitória, Brazil
- Y. Gurov, JINR, Dubna, Russia
- V. Kim, PNPI, Gatchina, Russia

- M. Khlopov, SFEDU, Rostov on Don, Russia
- Y. Kudenko, INR RAS, Moscow, Russia
- N. Mankoc-Borstnik, University of Ljubljana, Ljubljana, Slovenia
- A. Marciano, Fudan University, Shanghai, China
- K. Postnov, SAU MSU, Moscow, Russia
- S. Ray, CCASS, Mathura, Indi
- S. Rubin, MEPhI, Moscow, Russia
- N. Saduev, INP MoE RK, Almaty, Kazakhstan
- Y. Suvorov, Università degli Studi di Napoli Federico II, Napoli, Italy
- Z. Tang, USTC, Hefei, China
- A. Tumasyan, A.I. Alikhanyan National Science Laboratory, Yerevan, Armenia
- A. Vasiliev, NRC Kurchatov IHEP, Protvino, Russia
- S. Voronov, MEPhI, Moscow, Russia
- M. Vysotsky, LPI RAS, Moscow, Russia
- L. Wu, NNU, Nanjing, China

Local Organizing Committee:

- V. Shevchenko, MEPhI, Moscow, Russia (Chair)
- N. Barbashina, MEPhI, Moscow, Russia (Co-chair)
- M. Strikhanov, MEPhI, Moscow, Russia (Co-chair)
- E. Soldatov, MEPhI, Moscow, Russia (Co-chair)
- T. Antonova, MEPhI, Moscow, Russia
- B. Chernyshev, MEPhI, Moscow, Russia
- E. Esipova, MEPhI, Moscow, Russia
- V. Gani, MEPhI, Moscow, Russia
- D. Kalashnikov, MEPhI, Moscow, Russia
- A. Kirillov, MEPhI, Moscow, Russia
- M. Korotkov, MEPhI, Moscow, Russia
- E. Kozlova, MEPhI, Moscow, Russia
- A. Kumpan, MEPhI, Moscow, Russia
- A. Kurova, MEPhI, Moscow, Russia
- V. Mochalov, MEPhI, Moscow, Russia
- B. Murygin, MEPhI, Moscow, Russia
- V. Nikulin, MEPhI, Moscow, Russia
- N. Prokopenko, IHEP NRC Kurchatov Institute, Protvino, Russia
- A. Semushin, MEPhI, Moscow, Russia
- S. Smirnov, MEPhI, Moscow, Russia
- V. Stasenko, MEPhI, Moscow, Russia
- A. Tulupov, MEPhI, Moscow, Russia
- P. Teterin, MEPhI, Moscow, Russia (Academic secretary)
- N. Voznyuk, MEPhI, Moscow, Russia

Information about the conference

Conference venue

The conference will be held at the Intourist Hotel Kolomenskoe 4* located at Kashirskoye shosse, 39b, Moscow, Russia, 115409 and is easily accessible by public transportation. The nearest and the most accessible metro and city train stations are:

- Kashirskaya of the Green line and Bolshaya Kol'tzevaya Line (BKL) (~ 10 min. by bus)
 - Moskvorechye of the 2nd Moscow Central Diameter (~ 22 min. walk or 10 min. by bus)
 - Verkhnie Kotly of Moscow Central Circle (line 14) (~23 min. by bus)
- Information about how to reach the Conference venue from the nearest working metro and city train stations and airports can be found in Chapter [Other useful information](#).

Oral sessions

For in-person participants all oral sessions will take place on the 14th floor of the Hotel Intourist Kolomenskoye. Oral sessions include plenary talks (25+5/30+5 min), long and short section talks (8+2/10+2/12+3/15+5 min).

Poster session

Poster session will be offline and take place in the Alexeevsky Hall on 14th floor of the Hotel Intourist Kolomenskoye. Both A1 and A2 formats are acceptable, but A1 one is preferable. **A0 format is forbidden! No composite posters made of few smaller formats are allowed.** Both portrait and landscape poster orientations are acceptable, but portrait is preferable. We will be able to help you to place your poster in the poster session hall. Posters will be attached to roll-ups with adhesive tape.

Remote participation

Current conference is in person. Only very limited number of talks can be done online. Each case needs SPECIAL approval from the Organizing Committee. Please contact organizers in advance only in case of the solid justification! Poster section **is strictly offline**.

Timetable

You may find the timetable of the Conference at the following address: <https://indico.particle.mephi.ru/event/436/timetable>.

Proceedings

Copies of the presentations of all talks will be available on the conference webpage. Proceedings of the Conference will be published in the journal indexed in RSCI and Scopus and/or Web of Science. There is a preliminary agreement with journal Physics of atomic Nuclei to publish conference proceedings.

The deadline for proceedings submission is November 30, 2024 (23:59 Moscow time). The papers sent after the deadline will be declined. Earlier submission is highly welcomed! Please consider the starting of proceedings writing prior the conference.

Please send the paper draft to icppa2024@mephi.ru with both pdf and tex/word versions. Acceptable formats for graphs and plots are jpeg, png, pdf, eps.

Recommended length:

- Plenary talks ~ 10-15 pages
- Parallel talks ~6-10 pages
- Posters ~5-8 pages.

If you have any questions - please, write us: icppa2024@mephi.ru. **Please, do not use any other communication!**

Pay special attention to self-plagiarism issues! Papers will be reviewed by journals and checked for plagiarism.

For Russian authors only: we kindly ask you to attach the expert conclusion on publication possibility from your institution.

NB! The language of the Proceedings is English only!

Excursion

The Organisers are pleased to invite you to the bus excursion at night Moscow. The excursion will consist of 3-hour trip through the oldest and most famous places in Moscow (Red Square, Novodevichy Convent, Moscow City, Mosfilm, Red October factory, etc.) with visiting some of them. The bus will be accompanied by a licenced english-speaker tour guide. It will take place on Wednesday (23/10), starting at 7:30 p.m.



Conference dinner

Conference dinner will take place on Thursday (24/10) at 7:30 p.m. in MEPhI. The details will be provided during the conference.

Other useful information

Road from airports

There are four international airports near Moscow. You can use taxi or public transport to reach the Conference venue from them.

Taxi:

You can take a taxi at the corresponding desk at the airport (desk is called "Official taxi"). **Beware of using the private drivers services, that will be suggested to you after the green corridor.** You can also use Uber, Gett or Yandex Taxi services at your smartphone. For example, fare from Sheremetyevo/Domodovovo/Vnukovo/Zhukovsky to the Hotel Intourist Kolomenskoye is about 2000 rubles, but it depends on traffic jams and taxi service.

Public transport:

Possible way from each airport can be found below.

Schedule of the aeroexpress trains and aeroexpress buses can be found at the [aeroexpress website](#). You can also buy tickets there. Note that usage of the aeroexpress train is more comfortable, but more expensive and less fast way.

- Sheremetyevo:

You can use bus 1195 (aeroexpress bus) to reach the Khovrino metro station (bus terminus). Then you need to use the metro line 2 (green) to reach the Kashirskaya station. After that take the bus 751/770/899/м83/м86/е85/с838 and reach the stop «MEPhI» or м83/м86/770/899/с838 to reach «Dvorets kultury Moskvorechye», from these stops there is 10 minutes walk to the Hotel Intourist Kolomenskoye. Travel time is ~ 1h 30min.

- Domodedovo:

1. You can use bus 380 to reach the Domodedovskaya metro station (bus terminus). Then you can use bus е85/м86 to reach the stop «MEPhI» or «Dvorets kultury Moskvorechye» (just м86), from these stops there is 10 minutes walk to the Hotel Intourist Kolomenskoye. Travel time will be ~ 1h 20m.

2. You can use aeroexpress train to reach the station «Verkhnie Kotly». Then you can use bus е85/м86 to reach the stop «MEPhI» or «Dvorets kultury Moskvorechye» (just м86), from these stops there is 10 minutes walk to the Hotel Intourist Kolomenskoye.

- Vnukovo:

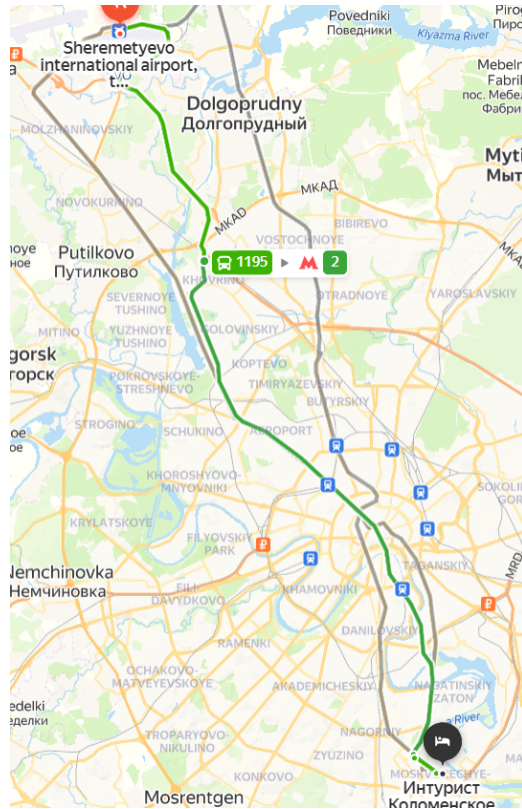
1. You can use the metro (Vnukovo Airport station, Yellow line) and travel to Michurinshkiy Prospect metro station. Then change to Michurinshkiy Prospectstation of Bolshaya Kol'tzevaya Like (BKL) and travel to Kashirskaya station. After that take the bus 751/770/899/м83/м86/е85/с838 and reach the stop «MEPhI» or м83/м86/751/770/899/с838 to reach «Dvorets kultury Moskvorechye», from these stops there is 10 minutes walk to the Hotel Intourist Kolomenskoye. Travel time is ~ 1h 30min.

2. You can use express train to reach the station «Aminyevskaya». Then change to Aminyevskaya station of Bolshaya Kol'tzevaya Line (BKL) and travel to Kashirskaya station. After that take the bus 751/770/899/м83/м86/е85/с838 and reach the stop «MEPhI» or м83/м86/770/751/899/с838 to reach «Dvorets kultury Moskvorechye», from these stops there is 10 minutes walk to the Hotel Intourist Kolomenskoye. Travel time is ~ 1h 30min.

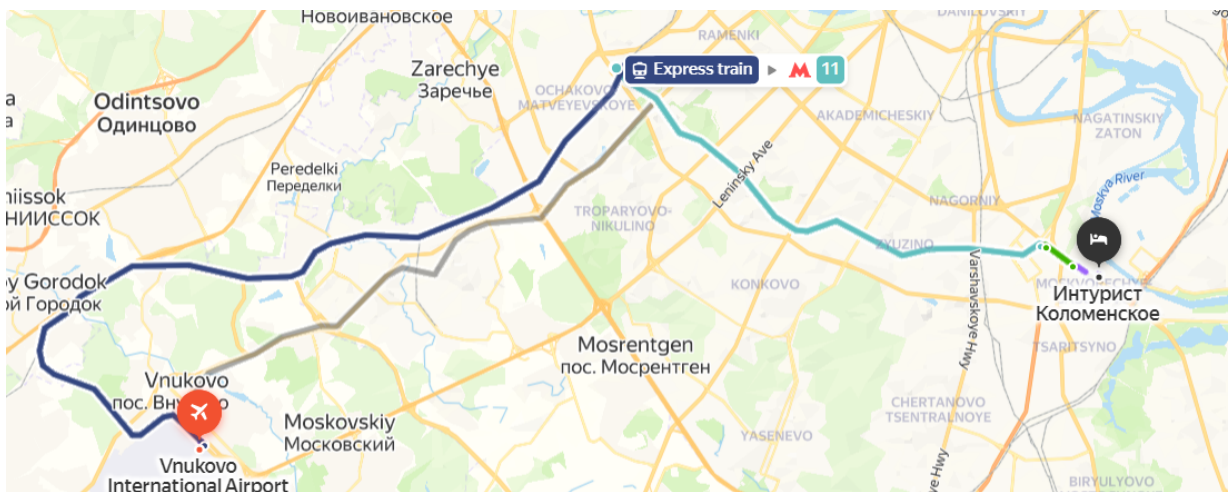
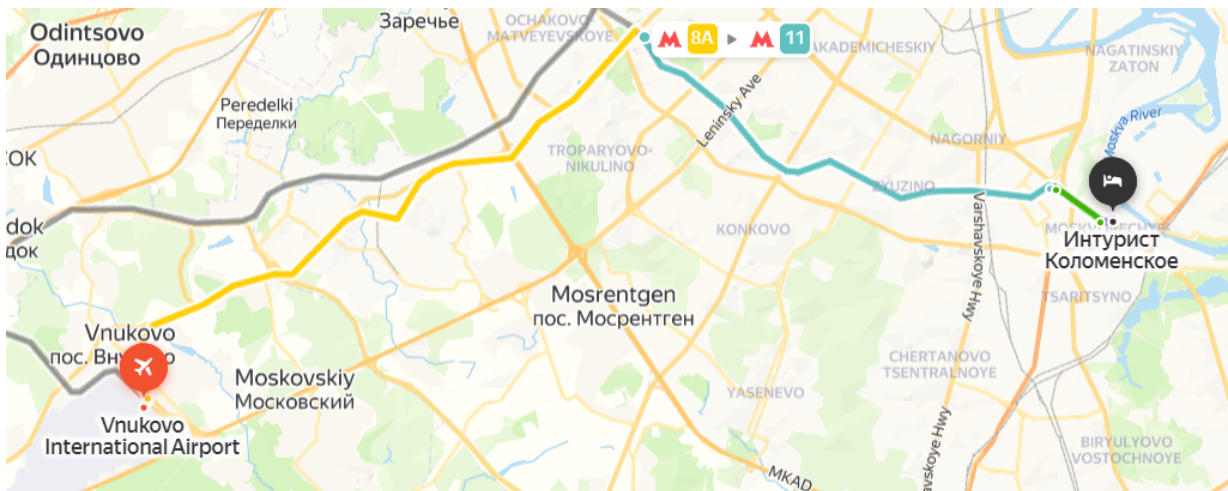
- Zhukovsky:

You can use bus 441 to reach the Kotelniki metro station (bus terminus). Then you need to use the metro line 7 (purple, station Kotelniki) to reach the Tekstilschiki station, switch to the Bolshaya Kol'tzevaya Line (BKL) and travel to Kashirskaya station. Then you can use bus 751/770/899/м83/м86/е85/с838 to reach the stop «MEPhI», from this stop there is 10 minutes walk to the Hotel Intourist Kolomenskoye. Alternatively, you can use bus м83/м86/770/751/899/с838 to reach the stop «Dvorets kultury Moskvorechye», from this stop there is 10 minutes walk to the Hotel Intourist Kolomenskoye. Travel time will be ~ 2h 4m.

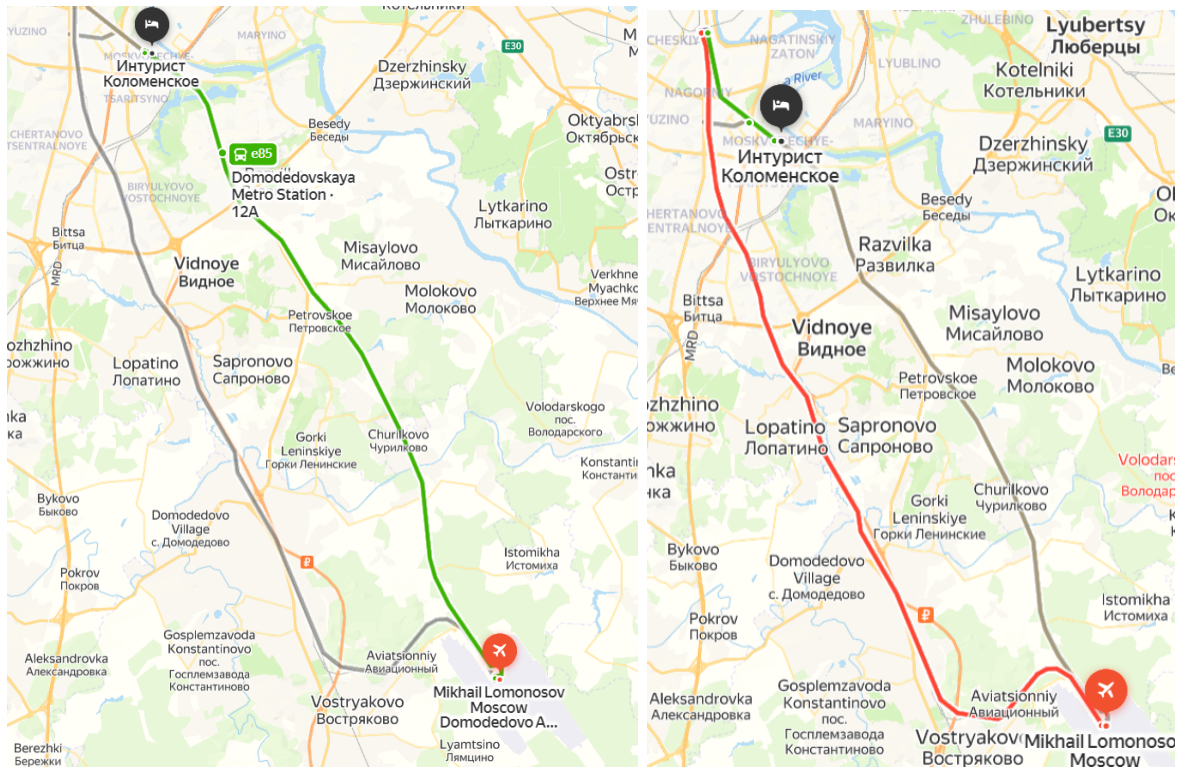
Sheremetyevo



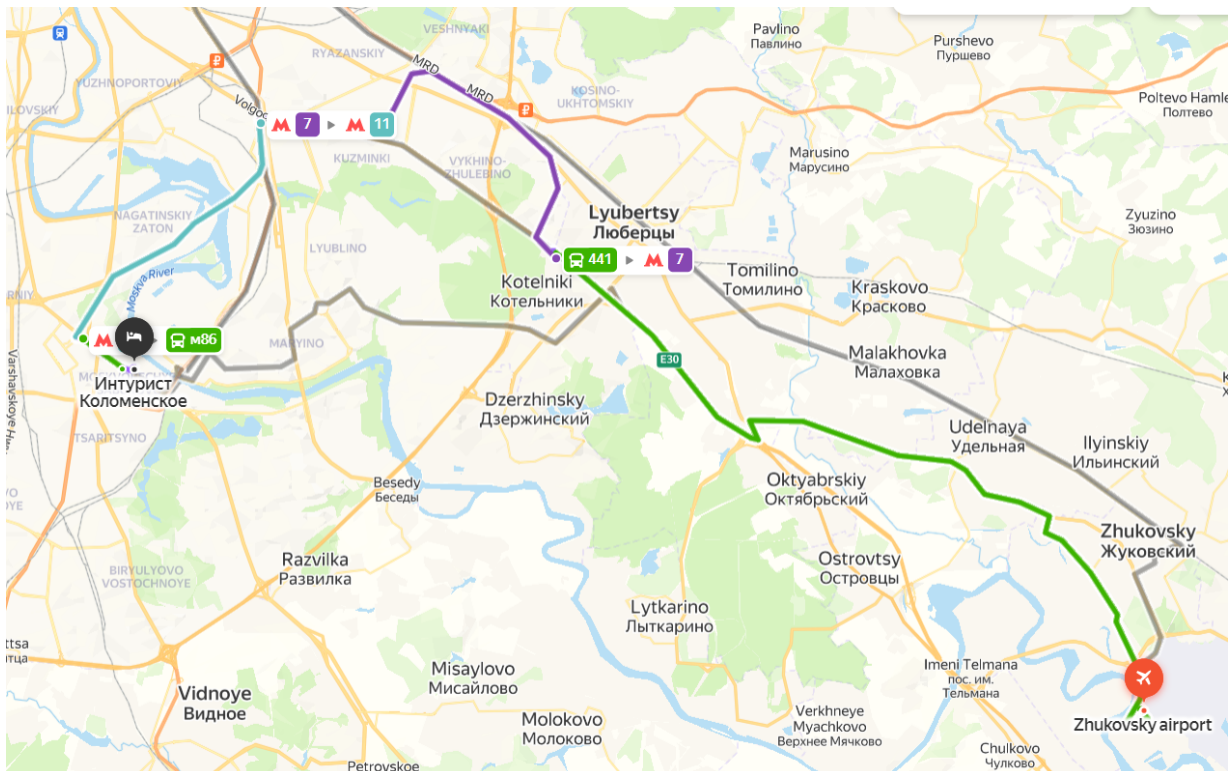
Vnukovo



Domodedovo



Zhukovsky

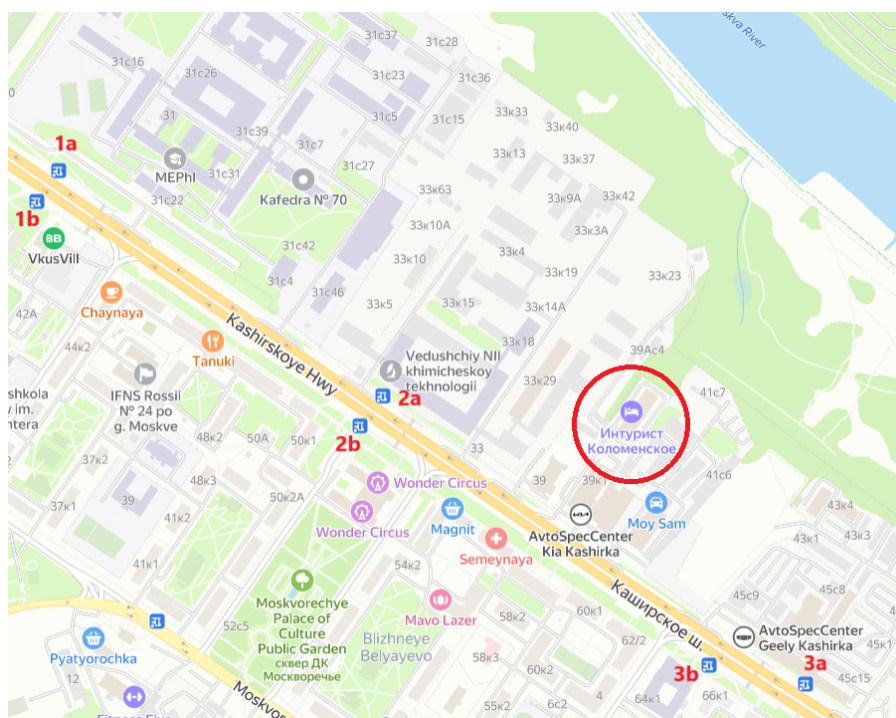


Nearest bus stops

There are some bus stops in the Hotel Intourist Kolomenskoye vicinity (~ 10 min walk). Stops "a" are to the Moscow city centre direction, and stops "b" are away from Moscow direction.

- 1a, 1b: МЕРФ

- 2a, 2b: Dvorets kultury Moskvorechye
- 3a, 3b: Institut avtomatiki



Moscow metro map

The most actual Moscow metro map with all routes and transport tracking can be found at the following link: https://yandex.ru/metro/moscow?scheme_id=sc34974011

Accommodation

The Organizers are pleased to offer you a variety of accommodation options, close and within walking distance of conference venue. Alternately, it takes several minutes to reach venue by bus. You may choose from several hotels to suite all budgets.

1. Intourist Kolomenskoye 4* is an ultramodern hotel, located near Moscow River, just 10 minutes away from the metro station (Kashirskaya, green line) by bus. This hotel is located on the highway, which directed to the international airport Domodedovo. The hotel has 14 levels, every room's window yield a gorgeous panoramic view on the city and surroundings. The Intourist Kolomenskoe is situated just near Kolomenskoe Museum-reserve park and National Research Nuclear University MPhI.

Conference will be hosted in the conference rooms of Hotel Intourist Kolomenskoye 4*. Hotel web-site: <https://intourist-kolomenskoe.ru/en/>.

2. The 21-storey Milan Hotel 4* is located just 40 minutes from Domodedovo Airport, and a seven-minute walk from the Domodedovskaya metro station. The favorable location of the hotel, which is close to the town main – third circular road, three stations square and also Tsaritsino and Kolomenskoe Museum-reserve parks, makes The Milan Hotel very convenient for working and leisure time. It takes 10 minutes to reach the conference venue by bus from Milan hotel. The cost starts from 6000 rubles (~56 euro) per day.

Web-site: <https://www.hotelmilan.ru/en/>.

3. Sova hotel 3* is located in 5 min walk from D2 Moskvorechye station and 35 minutes ride from Domodedovo Airport. Takes 15 min to reach the conference venue by bus. Web-site: <https://sovahotels.ru/sova-kashirskaya/>

4. Ristorya 3* is small cozy hotel near Kantemirovskaya metro station (5 min walk) and Tsaritsino Museum-reserve park. Web-site: <https://xn--h1aargceh1i.xn--p1ai/kantemir#book>

5. Duet hotel 2* is not expensive, but comfortable hotel near Kolomenskaya Museum-reserve park and Kashirskaya metro station. Hotel provides sport equipment (for example, for ping pong or badminton). Web-site: <https://duethotel.ru/>

Meals

Business-lunches are available at the restaurant of the Hotel Intourist Kolomenskoye on the first floor. Its price is 1000 rubles.

There are a large number of food places with variety of meals in the local area of the Conference venue. Some options are suggested below.



1. Tanuki

Cuisine: Japanese cuisine

Average bill: 1000-1500 rubles

2. Our Tea House

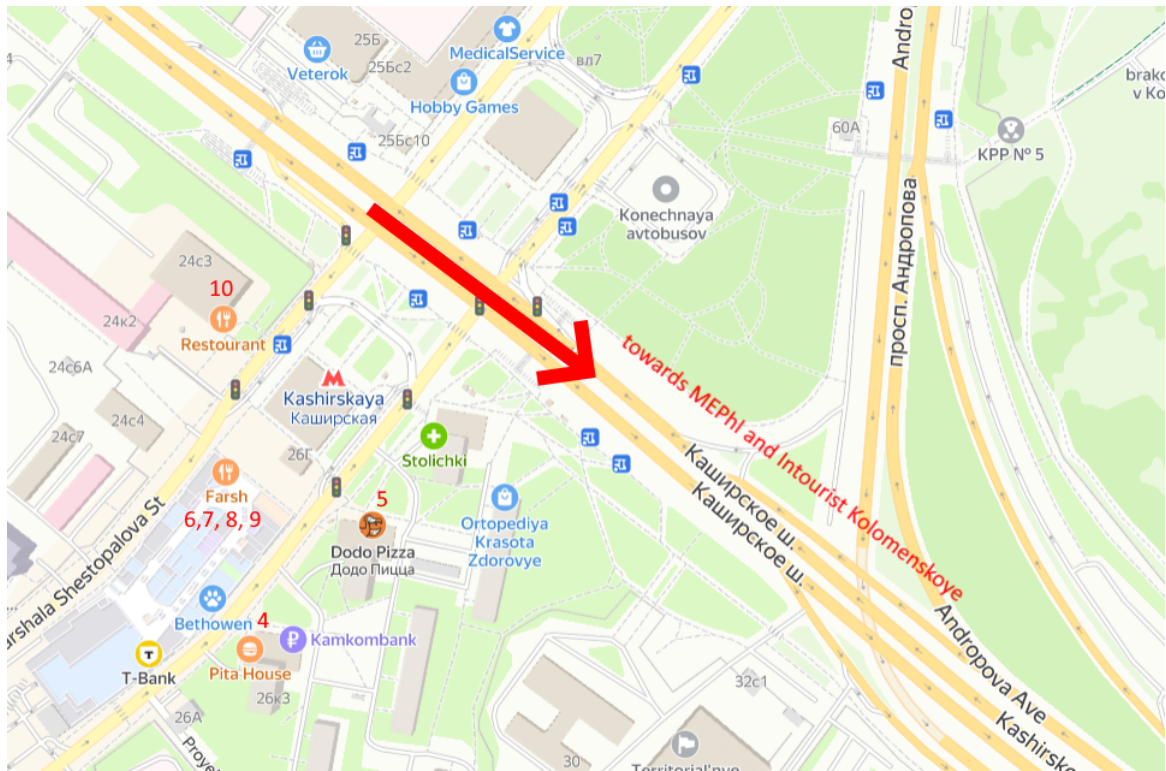
Cuisine: Various teas + pastry

Average bill: 300-500 rubles

3. Schwarkaiser

Cuisine: European

Average bill: 1000-1500 rubles



4. Pita house

Cuisine: Shawarma

Average bill: 200-300 rubles

5. Dodo Pizza

Cuisine: Italian pizza

Average bill: 300-500 rubles

6. Shokoladnitsa (in Moskvorechie shopping center)

Cuisine: European + Japanese cuisine

Average bill: 1000-1500 rubles

7. #FAPU (in Moskvorechie shopping center)

Cuisine: Burgers

Average bill: 700-1000 rubles

8. Il Patio (in Moskvorechie shopping center)

Cuisine: Italian + Japanese cuisine

Average bill: 700-1200 rubles

9. Food court (in Moskvorechie shopping center)

10. Chef House

Cuisine: Caucasian cuisine

Average bill: 1000-1500 rubles

Contacts

Information about the event is available at the Conference's website:

<https://indico.particle.mephi.ru/e/ICPPA2024>

Email: icppa2024@mephi.ru

Address: 115409, Russia, Moscow, Kashirskoye shosse, 39B, Hotel Intourist Kolomenskoye.

In case of any problems **during the conference time** or emergencies please call to responsible persons of the organizing committee:

Peter Teterin

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E-mail: teterin.pe@gmail.com

Evgeny Soldatov

Mobile phone: [+7\(916\)688-87-96](tel:+7(916)688-87-96)

E-mail: EYSoldatov@mephi.ru

Please use these phones only in case of emergency! In all other cases please use the Conference email.