

FLNP

Second Circular

Joint Institute for Nuclear Research
International Workshop

**«Applications of Nuclear Physics Methods for Cultural
Heritage Research»**

Frank Laboratory of Neutron Physics
Dubna, December 16 – 17, 2019 r.

Scientific Program of the Workshop:

- Priority areas in the study of cultural heritage using nuclear physics methods;
- Prospects and opportunities for the development of nuclear physical methods for the study of cultural heritage objects;
- Coordination and integration of the research groups work in the field of human and natural science.

It is expected to discuss the results achieved and further prospects of using the following methods:

- Radiography and tomography using neutron and synchrotron beams;
- Neutron and X-ray diffraction;
- Neutron Activation Analysis (INAA & PGAA);
- X-ray fluorescence analysis;
- Mössbauer effect;
- Other methods (resonances in nuclear reactions, PIGE, PIXE, RBS, NMR, neutron deep profiling, etc.).

Date and place of the Workshop:

- December 16 - 17, 2019.
- International intergovernmental organization Joint Institute for Nuclear Research, JINR Scientists' Club (Dubna, st. Joliot-Curie, 6).
- Registration of participants will be held in the hotel "Dubna" lobby from 8:30 AM to 9:15 AM on December 16.
- Official Opening - December 16 at 09:30 AM.

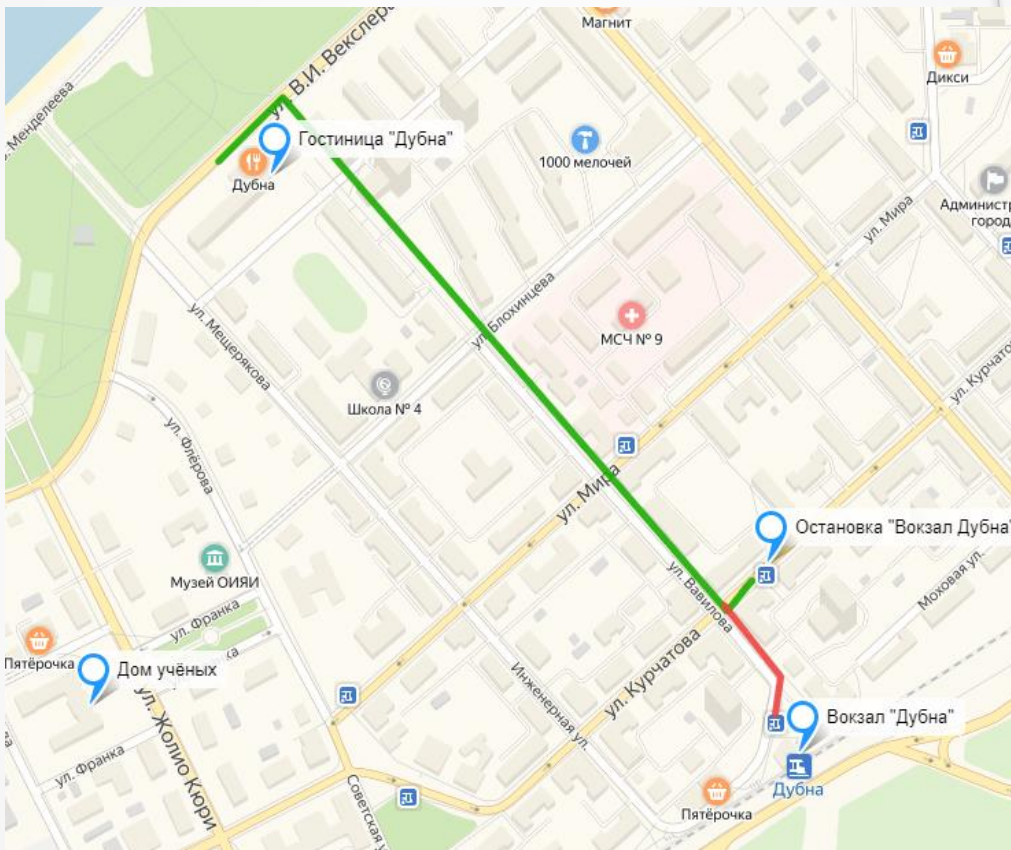
How to get to Dubna

From Moscow by train

The Savelovskiy Railway Station (the Savelovskaya metro station). The Organizing Committee recommends the Moscow - Dubna express train (<https://www.tutu.ru/>).

From Moscow by bus

The Timiryazevskaya metro station, bus № 415 Moscow-Dubna (<http://rata-express.ru/schedule/moscow>).



Accommodation

Hotel "Dubna" Vekslera Str, 8.

If you arrive at the "Dubna railway station", you can walk to the hotel along Vavilova Street (about 10 min). If you arrive at the Bolshaya Volga station, then you can use public transport: bus No. 11, minibuses No. 9 and 12 (leave the bus at the Dubna railway station stop), and walk to the hotel along Vavilova Street (about 10 minutes). You can also take a taxi (Yandex, Uber).

Participant reports

Invited Speakers:

- M. Belc (Ovidius University Constanta, Romania);
- R. Ion (Universitatea Valahia, Targoviste, Romania);
- T.D. Panova (State Historical and Cultural Museum-Reserve "Moscow Kremlin");
- L. Rosta (Wigner Research Centre for Physics Hungarian Academy of Sciences);
- I.A. Saprykina (Institute of Archeology RAS);
- A.G. Sitdikov (Halikov Institute of Archeology, Academy of Sciences of the Republic of Tatarstan);
- B.S. Yuldashev (Academy of Sciences of the Republic of Uzbekistan);
- E.B. Yatsishina (National Research Center "Kurchatov Institute").

Work language

Russian and English.

Organizing committee

- Chairman - V.N. Shvetsov;
- Deputy Chairman - D.P. Kozlenko;
- Scientific Secretary - V.S. Smirnova;
- A.V. Belushkin;
- A.Yu. Dmitriev;
- I.I. Zinicovscaia;
- S.E. Kichanov.

The preliminary program of the Workshop is available on the website: <https://indico.jinr.ru/event/1020/>

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