



## FIRST ANNOUNCEMENT

### SCOPE

In 2012, the IBR-2 high-flux pulsed reactor resumed routine operation for scientific research and the User Program restarted. Neutron scattering investigations at the IBR-2 reactor cover different fields of condensed matter physics, materials science, chemistry, biophysical, geophysical and engineering sciences. At present, over 200 experiments per year are performed at the IBR-2 instruments by scientists from more than 20 countries in the framework of the User Program.

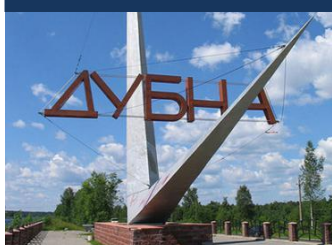
The aim of the regular Conferences on Condensed Matter Research at the IBR-2 reactor, playing the role of user meetings, is to bring together the users of IBR-2 for discussion of recent experimental results, prospects of future research and development of IBR-2 instruments.

The previous Conferences held in 2014 and 2015 attracted participants from Azerbaijan, Belarus, Bulgaria, Czech Republic, Germany, Italy, Latvia, Moldova, Mongolia, Poland, Romania, Russia, Serbia, Slovak Republic, Ukraine and Vietnam.

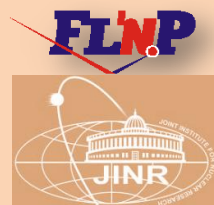
The present Conference will be dedicated to the 60th anniversary of the Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research. Moreover, a special session of the Conference will be dedicated to a powerful experimental method – correlation Fourier diffractometry, which makes it possible to perform very-high-resolution measurements at long-pulse neutron sources. The year 2017 marks the 25th anniversary of the start of operation of the first-in-the-world Fourier diffractometer at the IBR-2 pulsed neutron reactor.

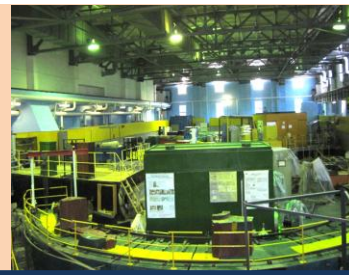
**The topics of the Conference** will highlight results of interdisciplinary research and development of neutron instruments and techniques, including:

- Functional and nanostructured materials;
- Magnetic colloid systems;
- Layered magnetic nanostructures;
- Carbon nanostructures;
- Materials under extreme conditions;
- Soft condensed matter (biological nanosystems, lipid membranes, polymers);
- Lattice and molecular dynamics of materials;
- Texture and properties of rocks and minerals;
- Residual stresses in materials and products;
- Neutron imaging;
- Development of IBR-2 instruments;
- Development of correlation methods for neutron diffractometry;
- Development of neutron scattering techniques;
- Development of neutron detectors.



*organized by the  
 Frank Laboratory of Neutron Physics,  
 Joint Institute for Nuclear Research,  
 Dubna, Russia*





**Programme of the Conference** includes plenary reports (40 min), topic reports (20 min) and poster presentations.

**The Working language** – English.

## LOCAL ORGANIZING COMMITTEE

Prof. D.P. Kozlenko – Chairman  
Dr. M.V. Avdeev  
Dr. M. Balasoiu  
Dr. G.D. Bokuchava  
Dr. D.M. Chudoba  
Mrs. T.S. Donskova – Secretary  
Mrs. Yu.E. Gorshkova  
Dr. T.I. Ivankina - Scientific Secretary  
Mr. S.V. Kozenkov  
Dr. B.N. Savenko

## PROGRAMME COMMITTEE

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Prof. V.L. Aksenov (Russia)        | Prof. P. Kopcansky (Slovak Republic) |
| Prof. P.A. Alekseev (Russia)       | Prof. D. Nagy (Hungary)              |
| Prof. A.M. Balagurov (Russia)      | Prof. W. Nawrocik (Poland)           |
| Prof. P. Balgavý (Slovak Republic) | Prof. P. Petrov (Bulgaria)           |
| Prof. A.V. Belushkin (Russia)      | Prof. D. Sangaa (Mongolia)           |
| Prof. E. Burzo (Romania)           | Dr. A. Senyshyn (Germany)            |
| Dr. V.T. Em (Russia)               | Prof. S. Vratislav (Czech Republic)  |
| Prof. V.G. Kantser (Moldova)       | Prof. J. Wasicki (Poland)            |

## PROCEEDINGS OF THE CONFERENCE

Selected papers containing results presented at the Conference will be published in Journal of Surface Investigation. X-Ray, Synchrotron and Neutron Techniques.

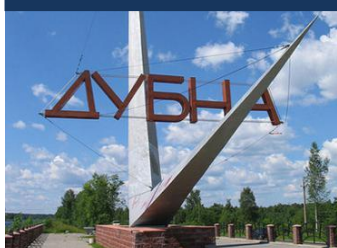
The authors instructions can be found at <http://www.maik.ru/cgi-perl/journal.pl?lang=eng&name=surfinv&page=main>.

The manuscript length should not exceed 7 pages. The manuscripts should be submitted to the Organizing Committee by **12 October**.

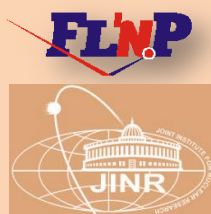
## REGISTRATION FEE AND ACCOMMODATION

There is no registration fee for participation.

Accommodation for participants will be provided in hotel “Dubna” in single and double rooms. The approximate accommodation cost is \$30-50 per night.



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**CMR@IBR-2**

**International Conference  
Condensed Matter Research at the IBR-2  
October 9 – 12, 2017**

<http://cmr-ibr.jinr.ru>



**DEADLINES**

|   |            |
|---|------------|
| First announcement:                           | 10.03.2017 |
| On-line registration and abstract submission: | 30.06.2017 |
| Visa support:                                 | 30.06.2017 |
| Programme:                                    | 20.09.2017 |
| Arrival:                                      | 08.10.2017 |
| Departure:                                    | 13.10.2017 |

**LOCATION**

Dubna is a small and quiet town situated 120 km north of Moscow on the picturesque banks of the Volga river. There are railway and bus connections between Dubna and Moscow. More detailed information about Dubna can be found at <http://dubna.ru> .

Dubna is a host of Joint Institute for Nuclear Research (JINR), an international intergovernmental scientific research organization. The main fields of JINR's activity are theoretical and experimental studies in elementary particle physics, nuclear physics, and condensed matter physics ( <http://jinr.ru> ).

**CONTACT INFORMATION**

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**Visa & transport**

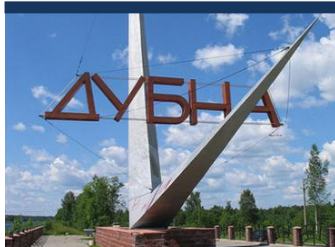
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**CONFERENCE WEB-SITE:**

<http://cmr-ibr.jinr.ru>



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