

International Conference Condensed Matter Research at the IBR-2

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



October 12–16
2020
Dubna
Russia

SCOPE

The Frank Laboratory of Neutron Physics (Joint Institute for Nuclear Research) invites interested researchers to attend the International Conference on Condensed Matter Research at the IBR-2 reactor (CMR@IBR2 -2020) for discussion of recent experimental results, prospects of future research, development of IBR-2 instruments and neutron scattering techniques.

Neutron scattering research at the IBR-2 reactor (Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research) covers 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.

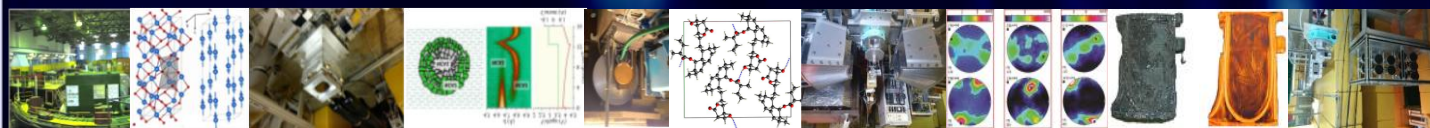
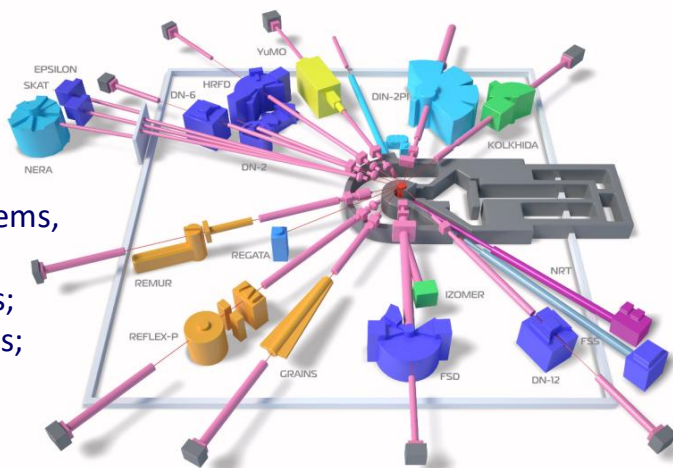
The previous Conferences held in 2014, 2015 and 2017 attracted participants from Azerbaijan, Belarus, Bulgaria, Czech Republic, Estonia, Germany, Italy, Kazakhstan, Latvia, Moldova, Mongolia, Poland, Romania, Russia, Serbia, Slovak Republic, Ukraine and Vietnam.

In light of the ongoing coronavirus pandemic, it is planned to organize the upcoming CMR@IBR-2 Conference ONLINE.

TOPICS

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 neutron scattering techniques and detectors.



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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 author instructions can be found at

<http://www.issp.ac.ru/journal/surface/> (RU),

<https://www.springer.com/journal/11700> (EN).

The manuscript length should not exceed 7 pages. The manuscripts should be submitted to the Organizing Committee by October 16.

*Frank Laboratory of
Neutron Physics*

<http://flnph.jinr.ru/>



*Joint Institute for
Nuclear Research*

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DEADLINES

First announcement:	15.06.2020
Online registration and abstract submission:	31.07.2020
Technical instructions for online participation:	30.09.2020
Online programme:	20.09.2020

REGISTRATION FEE

There is no registration fee for participation.

CONTACT INFORMATION

Scientific secretary

Tatiana Ivankina

Frank Laboratory of Neutron Physics

Joint Institute for Nuclear Research

141980 Dubna Moscow Region Russia

Tel.: (+7-496-21) 63856

Fax: (+7-496-21) 65484

E-mail: cmr@nf.jinr.ru

