



V Workshop “Neutron Diffraction – 2017”

Workshop “Neutron Diffraction – 2017” will be held in B.P. Konstantinov Petersburg Nuclear Physics Institute (PNPI) of the National Research Center “Kurchatov Institute” having an address at 188300, Leningrad Oblast, 7, mkr. Orlova roshcha **from 14th till 16th of June 2017.**

The purpose of the workshop “Neutron Diffraction – 2017” is to show the most significant achievements in the application of neutron and synchrotron diffraction and to emphasize their importance, uniqueness in modern science and the prospects for the future, as well as to discuss global trends in diffraction, achievements, problems and prospects in the creation of new diffraction equipment, its particular components and in methods of diffraction data processing.

The importance of the workshop for the Russian neutron scattering society can hardly be overestimated. Firstly, the preparation for the start-up of the science and research PIK neutron scattering facility with an estimated power of 100 MW is in the full swing, and the activity in the field of development and creation of the instrumentation concept of the reactor is carried out. This includes the assessment of the current capabilities of the major manufacturers of neutron stations, as well as the discussion of the main parameters of the neutron optical components, and equipment of the sample environment for research single-crystal and powder diffractometers. To prepare the instrumentation concept of the neutron facility, it is crucial to combine the ideas of the industry representatives and research scientists in order to adequately assess the future suite of neutron stations that will be set into operation over the next five years.

Secondly, the importance of the workshop is determined by opportunities of comprehensive application of neutron and synchrotron scattering diffraction after Russia’s accession to the Association of the largest synchrotron in the world – ESRF.

Russia’s leading scientists involved in the field of neutron diffraction will present their talks at the workshop. The geography of speakers covers such cities as Gatchina (PNPI); Dubna (JINR); Yekaterinburg (IMP UB RAS); Moscow (NRC “Kurchatov Institute”, MSU), St. Petersburg (Ioffe Institute, SPbSU, St. Petersburg Polytechnic University). The workshop will be attended by the leading scientist from major world research centers, such as ILL and LLB (France), PSI (Switzerland), ANSTO (Australia).

Young scientists, PhD students and students from the largest scientific centers and educational institutions of Russia are expected to participate in the workshop.

The scientific scope includes the following subjects:

- neutron diffraction in solid-state physics;
- complementarity of diffraction techniques in solid state physics;
- diffraction of polarized neutrons;
- fundamental and applied materials science by the application of diffraction research methods;
- global trends in neutron diffractometry;
- new diffraction instrumentation.

Russian is the working language of the workshop; however, some talks will be presented in the English language.

The composition and technical implementation of a suite of diffraction instruments at the PIK neutron scattering facility will be discussed in the course of the workshop. It has been established that the total number of neutron station will amount to no less than fifty, including no less than seven powder, single-crystal and stress diffractometers.

As part of the EU project CREMLIN

The workshop is a part of EU project CREMLIN Education and Training program of WP4 and is directly associated with developing of the guidelines for a general instrumentation concept of the PIK reactor as well as the preparation for the start-up of the PIK reactor. To learn more about the project CREMLIN visit the website: <https://www.cremlin.eu/>



Acknowledgements

This workshop has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No. 654166.



We kindly request the pleasure of your company to participate in the V Workshop "Neutron Diffraction – 2017" as a sponsor. Attending an event is the best way to demonstrate your leading position on the market. Take this opportunity to promote your organization name to national and international participants including decision makers, scientists, and students and network with professionals from industry and academia in Russia and Europe. The anticipated number of participants is around 100 people.

Registration and information are available on the web-site:

<https://oiks.pnpi.spb.ru/events/diffraction2017>

Sponsorship options:

Sponsorship package A: 50 000 ₺:

- ✓ distribution of promotional materials of your company at our workshop;
- ✓ acknowledgement in all pre-workshop and workshop publications (program of the workshop, company acknowledgement published on the workshop website).

Sponsorship package B: 80 000 ₺:

- ✓ distribution of promotional materials of your company at our workshop;
- ✓ acknowledgement in all pre-workshop and workshop publications (program of the workshop, company acknowledgement published on the workshop website);
- ✓ one conference registration.

Sponsorship package C: 100 000 ₺:

- ✓ distribution of promotional materials of your company at our workshop;
- ✓ acknowledgement in all pre-workshop and workshop publications (program of the workshop, company acknowledgement published on the workshop website);
- ✓ exhibition area for one exhibition stand and one person;
- ✓ one conference registration.

Each conference registration for sponsors includes:

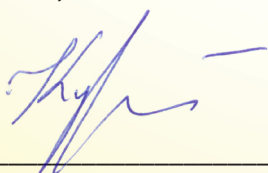
- visa assistance (if necessary);
- free access to all sessions of the workshop;
- refreshment and meals during the workshop;
- one set of workshop materials;
- guided tour to the PIK neutron facility;
- social program.

Please note that the accommodation is not included in the conference registration and sponsorship package, but the reservation assistance is kindly provided by the Organizer on request.

We are ready to consider the formation of an individual sponsorship package to fit your wishes and proposals and we are happy to provide you with the package of sponsorship that meets your goals.

WE ARE LOOKING FORWARD TO SEEING YOUR COMPANY AMONG THE SPONSORS OF THE WORKSHOP!

Best regards,



Chairman of the Program Committee
Doctor of Physical and Mathematical Sciences
Alexander I. Kurbakov



Chairman of the Organizing Committee
Candidate of Physical and Mathematical Sciences
Evgeny V. Moskvina