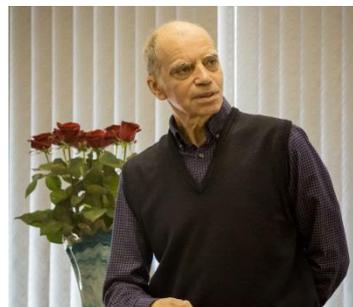


5. EVENTS

FLNP SEMINARS

- **A.M. Balagurov** (FLNP DNICM). *50th anniversary of neutron diffraction on the IBR pulsed reactors (dedicated to the 100th anniversary of F.L. Shapiro's birth)*. (19.01.2015)
- **J. Teixeira** (Laboratoire Léon Brillouin, Saclay, France). *Anomalous properties of low temperature water. A view at molecular scale probed by scattering experiments.*(13.05.2015)
- **A.M. Balagurov** (FLNP DNICM), **J.-H. Behrmann** (GEOMAR Helmholtz-Zentrum, Kiel, Germany) *In commemoration of Prof. Anatoly N. Nikitin and Dr. Klaus Ullemeyer "Geologists impassioned with neutron physics"*. (14.05.2015)
- **U. Filges** (Neutron Optics and Scientific Computing Group, Paul Scherrer Institut, Switzerland). *Preparation of SINQ Upgrade*, **V. Talanov** (Radiation Transport and Multiphysics Group, Paul Scherrer Institut, Switzerland). *Target and Moderator Developments for the Neutron Sources at PSI*. (09.06.2016)



A.M. Balagurov



Ch. Alba-Simonesco

- **Ch. Alba-Simonesco** (LLB, Saclay, France) *Information about Laboratoire Leon Brillouin*. (23.10.2015)
- **D. Kolodynska** (Marie Curie-Sklodowska university, Lublin, Poland) *Organic-inorganic hybrid materials and their applications* (29.10.2015)
- **T. Yamamoto** (Waseda University, Okubo, Shinjuku, Tokyo) *X-ray Absorption Near-Edge Structure Analysis for Functional Materials with the Aid of the First-Principles Calculations* (07.12.2015)
- **Ye.P. Shabalin** (FLNP JINR) *Neutron source of the future in FLNP* (24.12.2015)

CONFERENCES AND MEETINGS

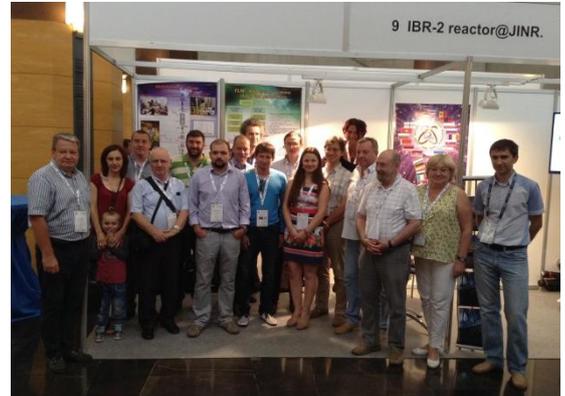
- On May 25-29, 2015 the JINR International Conference Centre hosted the **23rd International Seminar on Interaction of Neutrons with Nuclei**: Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics (**ISINN-23**). The Seminar is organised by the Laboratory of Neutron Physics annually at the end of May. This year it was dedicated to the 100th anniversary of the birth of the outstanding Soviet physicist, one of the founders of the LNP – Corresponding Member of the USSR Academy of Sciences F.L. Shapiro. The Seminar was attended by about 70 staff-members from different laboratories of JINR, about 40 scientists from Russia and the CIS, and about 20 representatives of a wide range of countries: Bulgaria, Great Britain,



ISINN-23, Dubna, Russia

Vietnam, Germany, Iran, Romania, Serbia, Slovakia, France and the United States. Within 4 working days 60 oral reports and 50 poster presentations on the subject of the Seminar were given to the participants.

- **The 6th European Conference on Neutron Scattering (ECNS-2015)** was held in Zaragoza, Spain, from August 30 to September 4. The Conference is organized every four years since 1996 under the auspices of the European Neutron Scattering Association (ENSA). ECNS-2015 brought together over 600 representatives of the European neutron scattering community to discuss recent developments and advances in all branches of science in which neutron scattering is used. The Conference's topics covered a wide range of relevant



6th ECNS, Zaragoza, Spain

interdisciplinary problems of physics of condensed and soft matter, biology and medicine, chemical design, magnetism and spintronics, fundamental neutron physics, diagnostics of functional materials and objects of cultural heritage, geology and investigations of matter under extreme conditions. The Conference provided a platform for discussion of the current status and prospects of the available and future European neutron sources (nuclear research reactors and accelerator-based spallation sources), development of specialized neutron moderators and instruments on neutron sources, as well as proposals for the implementation of new methods and approaches for investigations of matter using neutron scattering.

JINR was represented at ECNS-2015 by a delegation of twenty FLNP scientists who reported their results of the investigations conducted at the Laboratory neutron sources — IBR-2 and IREN. An important part of the ECNS program was an exhibition of the world's leading neutron centers, in which JINR participated with great success. The FLNP stand provided the Conference participants with an opportunity to become acquainted with the operation and plans of development for the neutron sources in JINR. The presentation was primarily focused on the implementation of the user policy at the IBR-2 pulsed reactor after its recent modernization. Numerous visitors of the stand could get the most comprehensive information about the possibilities of the existing spectrometers and find out the details of obtaining experimental beamtime at the IBR-2.



CMR IBR-2, Dubna, Russia

- **The International Conference 'Condensed Matter Research at the IBR-2' (CMR-2015)** was held in the Frank Laboratory of Neutron Physics on October 11-15, 2015. A series of these conferences was launched in 2014, aimed at providing a platform for discussion of the results of interdisciplinary studies of condensed matter using neutron scattering at the IBR-2 reactor, as well as for analysis of prospects of future research and improvement of instrumentation

5. EVENTS

and methodological base. The CMR-2015 was dedicated to the 100th anniversary of the birth of the outstanding Soviet physicist Fyodor Shapiro, the event which was celebrated in JINR throughout 2015. Fyodor Shapiro is recognized as one of the founders of the Frank Laboratory of Neutron Physics, who made a significant contribution to the development of scientific research areas and basic facilities of the Laboratory.

The Conference was attended by over 120 participants from scientific organizations and universities of the Russian Federation, Azerbaijan, Belarus, Bulgaria, Vietnam, Germany, Latvia, Moldova, Mongolia, Romania, Serbia, Slovakia and Ukraine.

EDUCATIONAL PROGRAM

- **The VI International School for Young Scientists and Students “Instruments and Methods of Experimental Nuclear Physics. Electronics and Automatics of Experimental Facilities”** was held on November 9-14, 2015 in FLNP. The School was organized by the Frank Laboratory of Neutron Physics with the support of the JINR Directorate and Plenipotentiary of Kazakhstan. Seventy two attendees from the JINR Member States (Belarus, Kazakhstan, Russia, Ukraine) took part in the School. The most representative group of participants came from Dubna, Obninsk, Kharkov, Astana, Moscow, Almaty, Tomsk, Dimitrovgrad. Among them were 4th year students (28 participants), 5th and 6th year students (27 participants), 3^d year students (7 participants), 2nd year students (3 participants), 4 postgraduates and 3 researchers.

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VI IMENP, Dubna, Russia

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Summer student practice, 2015, IBR-2, Dubna, Russia

- The FLNP successfully collaborates with the **JINR University Centre** in the organization of **summer practical work for students from the JINR Member States** (Belarus, Czech Republic, Poland, Romania, Slovakia,) and Associated countries (Egypt, South Africa).

Lectures and excursions to the FLNP facilities for teachers of physics from Russia and the JINR Member States were organized.

VISITS AT OUR FACILITIES

- On February 05, a delegation of German Embassy visited FLNP.
- On June 09, Dr. Uwe Filges from Paul Scherrer Institut, Switzerland visited the FLNP.
- On June 16, the participants of the Brasilia-JINR Forum “Frontiers in Nuclear, Elementary Particle and Condensed Matter Physics” held in JINR from June 15 to June 19, 2015, visited the Laboratory. Members of the delegation met the Laboratory Directorate and visited the facilities on the IBR- 2 reactor.
- On August 07, a delegation of Turkish Embassy visited FLNP.
- On October 22-23, 2015 a delegation from Laboratoire Léon Brillouin, Saclay, France headed by Dr. Ch. Alba-Simonesco visited FLNP. The guests met with the Laboratory Directorate and visited the IBR-2 reactor.
- On October 28-29, 2015 Dr. Dorota Kolodynska from Marie Curie-Sklodowska university, Lublin, Poland visited FLNP.
- On November 29 – December 1, 2015 a delegation from the European Spallation Source (ESS), Sweden visited FLNP. Members of the delegation met the Laboratory Directorate and visited the facilities on the IBR- 2 reactor. The workshop on research and development of equipment for neutron scattering instruments on external beams was organized.
- Director of the Institute of Condensed-Matter Science, Waseda University, Tokyo, Dr. Tomoyuki Yamamoto visited FLNP in December 2015.

