



# **XIX International Conference of Young Scientists and Specialists AYSS-2015**

**Dubna, 16-20 February 2015**



## **XIX International Scientific Conference of Young Scientists and Specialists (AYSS-2015) February 16-20, 2015**

### **First Announcement**

The XIX International Scientific Conference of Young Scientists and Specialists (AYSS-2015) will be held on 16-20 February 2015 and will be dedicated to the 100th anniversary of the birth of the outstanding physicist, Corresponding Member of the USSR Academy of Sciences Fyodor L. Shapiro.

The Conference is held annually and attended by students, PhD students, young scientists and specialists from JINR and other Russian and foreign scientific centers. The proceedings and abstracts will be published in special issues. The papers recommended by the Competition Committee will be submitted for publication in refereed journals. Participation in the Conference is confirmed by a certificate.

**TOPICS:** The Conference will cover to the fundamental and applied fields of research conducted in JINR. Within the framework of the Conference leading JINR scientists will give lectures in English on the recent theoretical and applied investigations in neutron and nuclear physics, and condensed matter physics.

#### **Sections:**

During the Conference, the participants will present their reports in nine topical sections:

1. Theoretical Physics
2. Mathematical Modeling and Computational Physics
3. Elementary Particle Physics and Relativistic Nuclear Physics
4. Modern Methods of Acceleration of Charged Particles and Accelerator Technology
5. Experimental Nuclear Physics
6. Applied Research
7. Information Technology
8. Condensed Matter Physics
9. Radiation and Radiobiological Research

**PARTICIPANTS:** Students, PhD students, young scientists and specialists under 35 years are invited to participate in the Conference with oral or (and) poster presentations. The registration will be open until **December 20, 2014** at the Conference web-site <http://omus.jinr.ru/conference2015/index.php>. Right after registration you will receive a confirmation from the Organizing Committee.

The **WORKING LANGUAGES** of the Conference will be English (preferable) and Russian.



# XIX International Conference of Young Scientists and Specialists AYSS-2015

Dubna, 16-20 February 2015



## About JINR:

**The Joint Institute for Nuclear Research (JINR)** is an international intergovernmental scientific research organisation established through the Convention signed on 26 March 1956 by eleven founding States and registered with the United Nations on 1 February 1957. It is situated in Dubna not far from Moscow in the Russian Federation.

The Institute was established with the aim of uniting the efforts, scientific and material potentials of its Member States for investigations of the fundamental properties of matter. At present, JINR has 18 Member States: Armenia, Azerbaijan, Belarus, Bulgaria, Cuba, the Czech Republic, Georgia, Kazakhstan, Democratic People's Republic of Korea, Moldova, Mongolia, Poland, Romania, the Russian Federation, the Slovak Republic, Ukraine, Uzbekistan and Vietnam. Agreements are signed on the governmental level with Egypt, Germany, Hungary, Italy, Serbia and the Republic of South Africa.

**The main fields of JINR's activity** are theoretical and experimental studies in elementary particle physics, nuclear physics, and condensed matter physics. The research policy of JINR is determined by the Scientific Council, which consists of eminent scientists from the Member States as well as famous researchers from China, France, Germany, Greece, India, Italy, Switzerland, the USA, and the European Centre for Nuclear Research (CERN).

There are 7 Laboratories at JINR, by the scope of scientific activities each being compatible with a large research institution. JINR's staff totals about 5000 people, including more than 1200 scientists, 2000 engineers and technicians.

### Programme Committee:

Valery Shvetsov (FLNP) – *Co-Chairperson*  
Grigory Shirkov (Directorate) – *Co-Chairperson*  
Inga Zinicovskaia (FLNP) — *Secretary*  
Alexander Ayriyan (LIT)  
Otilia Ana Culicov (FLNP)  
Walter Furman (FLNP)  
Norbert Kucerka (FLNP)  
Egor Lychagin (FLNP)

### Organizing Committee:

Oksana Koval (BLTP) – *Co-Chairperson*  
Inga Zinicovskaia (FLNP) – *Co-Chairperson*  
Vratislav Chudoba (FLNR) – *Deputy Chairperson*  
Varvara Batozskaya (VBLHEP)  
Alexander Bednyakov (BLTP)  
Dmitry Dryablov (VBLHEP)  
Roman Eremin (FLNP)  
Constantin Hramko (FLNP)  
Olga Matyukhina (ICD)  
Andrey Pikelner (BLTP)  
Nadezhda Rumyantseva (DLNP)  
Julia Sidorina (LRB)  
Evgeny Uglov (DLNP)  
Olga Ustimenko (LIT)

## REGISTRATION FEE

Registration fee for participants is **1500 RUB** and covers organizing expenses, coffee breaks and social programme.

## DEADLINES

Registration: **until December 20, 2014\*** at the conference website <http://omus.jinr.ru/conference2015/registration.php>.

Proceedings will be accepted until **December 20, 2014\*** at the registration page.

*\*all dates are inclusive*



# **XIX International Conference of Young Scientists and Specialists AYSS-2015**

**Dubna, 16-20 February 2015**



## **COMPETITION OF YOUNG RESEARCHERS' WORKS**

A JINR Prize competition will be held for young scientists and specialists who make oral presentations at the Conference (poster presentations are not eligible for the competition). Also, an additional prize in neutron physics will be awarded to commemorate the 100th anniversary of Fyodor Shapiro. The best presentation in each section will be specially awarded.

## **PROCEEDINGS**

The Conference proceedings will be published at the AYSS website and in a Book of Proceedings. Instructions for preparation of manuscripts for publication can be downloaded from the Conference website: <http://omus.jinr.ru/conference2015/scripts.tgz>. The maximum number of pages is 4.

## **ACCOMMODATION**

For a limited number of participants the accommodation expenses may be covered by the organizers.

## **LOCATION**

The Conference will be held at the Bogolyubov Laboratory of Theoretical Physics, JINR.

## **VISA**

To enter the Russian Federation, a delegate needs to apply for a visa at the nearest Russian Consulate in his/her country. The first thing one should do to start the visa procedure is to fill in the attached visa application form. Copy of the passport main page (the page with the photo) should be sent by e-mail or fax (jpg-format is preferred).

Olga Matyukhina is the contact person to submit this information to by

E-mail address: [omatyukhina@jinr.ru](mailto:omatyukhina@jinr.ru)

Fax: +7 49621 65891 (Please, remember to provide your name)

Phone: +7 49621 65582

The reference number received from the Consular Service in the Russian Ministry of Foreign Affairs will be forwarded to a participant for its further presenting at the nearest Russian Consulate in his/her country.

Please be advised that your passport must be valid for 6 months after the visa expiration date.

## **CONTACTS**

JINR, Joliot-Curie 6, 141980 Dubna, Moscow Region, Russia

Co-Chairperson: Oksana Koval

Phone: +7 (915) 0472178, +7 (49621) 64534, e-mail: [ayss.conf@jinr.ru](mailto:ayss.conf@jinr.ru)

Co-Chairperson: Inga Zinikovskaia

Phone: +7 (49621) 63653, e-mail: [ayss.conf@jinr.ru](mailto:ayss.conf@jinr.ru)