

2nd South Africa - JINR SYMPOSIUM

Models and Methods in Few- and Many-Body Systems

JINR Dubna, Moscow region, Russia
September 8-10, 2010

FIRST CIRCULAR

BACKGROUND: On the initiative of the JINR and South Africa nuclear physics institutions the 1st DST-UNISA-JINR Symposium was organized at Skukuza, Kruger National Park, in February 2007. It helped to establish a fruitful collaboration between these nuclear physics communities.

PRESENT MEETING: The Joint Institute for Nuclear Research will host the 2nd Symposium in Dubna in the period September 8-10, 2010. The symposium will include two days of presentations and discussions, namely September 8-9, 2010. September 10, 2010 is presumed for an excursion to the JINR Laboratories. The main goal of the meeting is to extend the cooperation among physicists from the JINR and South Africa. This kind of brainstorming meeting will discuss the scope, success and prospective of nuclear physics. However, related questions in particle, atomic, molecular, computational and mathematical physics and in other related areas will also be considered. Speakers are expected to provide somewhat extended details of their research topic, questions addressed, and future trends in the field. The methods covered will serve as guidance not only for the pending collaboration but also as a substrate material for the students and young researchers at both sides that will enable them to participate in common research projects.

TOPICS: The Symposium program will cover new experimental and theoretical developments in the field of nuclear physics. The main topics include: few hadrons dynamics; nuclear structure and reactions; rare isotopes: beams and facilities, instruments & techniques; computational and mathematical methods in nuclear physics; effective inter-cluster interactions; astrophysical aspects of nuclear studies; interdisciplinary aspects of nuclear methods; atomic and molecular systems.

ORGANIZING COMMITTEE:

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VENUE OF THE MEETING: The symposium takes place at the JINR International Conference Center, which is in a short walking distance from the Hotel Dubna and the great Russian river Volga. A possibility for taking lunch and dinner there has been reserved for the participants. For more information (map of the town) see the web page of JINR <http://jinr.ru> or the Symposium web page <http://theor.jinr.ru/~sajinr10>.

TRANSPORTATION: Transportation from/to the Moscow airports Sheremetievo or Domodedovo or any Moscow railway station will be provided by the organizers. Information on the arrival date, time and flight/train number should be sent to the Meeting Coordinator (rsa@jinr.ru) by August 23, 2010.

BOARD and LODGING: The accommodation is organized in Hotel "Dubna". The breakfast is included into accommodation.

LOCATION: Dubna, whose population is almost 70,000, is located on the banks of the Volga River, 120 km away from north of Moscow. No major highways go through Dubna, so it is nicely fitted into beautiful, quiet landscapes made up by the Volga river, the Moscow Reservoir on the Volga formed by a hydropower plant, the Moscow – Volga shipping canal, the Dubna river (the Volga's tributary), a number of smaller rivers, and, of course, forests and fields. Appeasing natural landscapes are within an easy bicycle or skiing trip from any place in Dubna. Dubna is close enough to Moscow for you to be able to leave Dubna early in the morning, spend a whole day in Moscow, and come back to Dubna in the late evening. There is a direct railway and bus communication between Dubna and Moscow. Dubna has no ecologically problematic industry. Rather it is a hi-tech city. Dubna is well-known internationally, first of all, because it is a home to one of the world's largest centers of fundamental science: the Joint Institute for Nuclear Research.

SOCIAL PROGRAM: A common boat trip with participants of the JINR Summer School for South African students is planned along the river Volga in afternoon of September 10. Following the interest of participants an optional one-day excursion to Moscow is planned on September 11.

SYMPOSIUM PROCEEDINGS: The Conference Proceedings are planned to be published after the Conference by the JINR Publishing Department. The Proceedings will include manuscripts of all talks at the Symposium. The detailed information about the preparation of the contribution will be given in the second circular (August 2, 2010). Participants are kindly asked to supply organizers with their contributions upon arrival.

CONFERENCE FEE: The Symposium is organized without conference fee. All expenses connected with this meeting (including a copy of proceedings, transportation from Moscow airports to Dubna and back, hotel accommodation at Dubna, the coffee breaks, and the social program) will be covered by the JINR, Dubna, in the framework of the program for collaboration with South Africa. The travel expenses of South African participation should be covered within a standard procedure by the National Research Foundation of South Africa; the contact person will be announced later.

APPLICATION: Persons who are interested to participate are kindly requested to send their application with title and a short abstract per email to the contact address. The applications for the

talks will be considered till **July 1, 2010** (dead-line for a talk application). Poster presentations will be also considered. The participants interested in the individual program in JINR for scientific projects in the framework of SA-JINR Agreement before or after the meeting are requested to agree their plans with the organizers in advance. The accompanied persons are welcomed, visa support for them will be also provided.

CORRESPONDANCE: Please, address all mails and questions to the Conference Organizing Committee:

E-mail: **simkovic@theor.jinr.ru** **for talk applications**
 rsa@jinr.ru **for visa and technical support**

Address: Joint Institute for Nuclear Research, Joliot-Curie 6,
 141980 Dubna, Moscow region, Russia

FAX: +7 49621 65891

The Symposium web site <http://theor.jinr.ru/~sajinr10> will be available starting from April 19, 2010. Please send an e-mail to rsa@jinr.ru for all issues or inquiries not covered in this announcement on the web site.

VISA: Non-residents, who need a Russian Visa, should supply their personal data. To arrange a visa support participants are kindly requested to inform the Organizing Committee of their personal data. The Registration Form duly filled up as well as a scanned copy in jpg-format of the passport most important pages have to be sent before **July 19, 2010** to Ms. Alina Belova by e-mail rsa@jinr.ru listed above.

IMPORTANT DATES:

1 st Circular		April 9, 2010
Talk application	deadline	July 1, 2010
Visa application	deadline	July 19, 2010
Arrival information	deadline	August 23, 2010
2 nd Circular		August 2, 2010
Participant's arrival		September 6-7, 2010
Participant's departure		September 11-12, 2010