

Russian Academy of Science  
 Ministry for Industry and Energy of the Russian  
 Federation  
 Ministry for Science and Education of the RF  
 Joint Institute for Nuclear Research (Dubna)

**XIX RUSSIAN PARTICLE  
 ACCELERATOR CONFERENCE  
 RUPAC'2004**

**October 4-8, 2004, Dubna, Russia**



**RUPAC-2004**

**THIRD ANNOUNCEMENT**

<b>Program Committee</b>	<b>Organizing Committee</b>
<b>Chairman</b>	<b>Chairman</b>
A.N. Skrinsky      INP SB RAS	V.G. Kadyshevsky      JINR
<b>Vice-Chairman</b>	<b>Vice-Chairmen</b>
I.N. Meshkov      JINR	I.N. Meshkov      JINR
<b>Scientific secretary</b>	G.D. Shirkov      JINR
G.V. Trubnikov      JINR	<b>Scientific secretary</b>
<b>Members:</b>	G.V. Trubnikov      JINR
A.I. Ageev      SSC RF IHEP	<b>Secretary</b>
A.N. Lebedev      PI RAS	V.K. Novikova      JINR
V.V. Parkhomchuk      INP SB RAN	<b>Members:</b>
A.V. Pheshchenko      INR RAS	E.V. Akhmanova      JINR
V.A. Romanov      SSC RF IPPE	N.I. Balalykin      JINR
B.Yu. Sharkov      SSC RF ITEP	G.G. Gulbekyan      JINR
Yu.M. Shatunov      INP SB RAS	Yu.V. Kozlov      MSE RF
G.D. Shirkov      JINR	L.A. Kalmykova      JINR
E.M. Syresin      JINR	A.D. Kovalenko      JINR
E.F. Troianov      SSC RF IHEP	S.O. Lukyanov      JINR
N.A. Vinokurov      INP SB RAS	V.M. Maximov      MIE RF
M.F. Vorogushin      NIIEPA	A.V. Philippov      JINR
V.A. Zavyalov      VNIIEF, Sarov	G.G. Sandukovskaya      JINR
	E.E. Shirkova      JINR
	L.V. Soboleva      JINR
	T.A. Stepanova      JINR
	E.V. Strelalovskaya      JINR
	E.M. Syresin      JINR
	N.A. Tokareva      JINR

The Programme and Organizing Committees welcome you to take part in the XIX Russian Conference on charged particle accelerators. The biennial conference brings together scientists working on all aspects of accelerator physics and their application. About 260 scientists and engineers from accelerator communities all over the world are registered to take part in RUPAC'04.

## **GOAL OF THE CONFERENCE**

The Conference provides a forum for exchange of new information and discussion in the area of acceleration science and engineering, particle beam physics, new accelerator designs, modernization of existing facilities, accelerator use for scientific purposes and applications.

## **DATES AND LOCATION**

October 4-8, 2004.

The Joint Institute for Nuclear Research (JINR) will host RUPAC'2004.

Conference will start on Monday, October, 4 at 15.00.

## **PRESENTATIONS**

Scientific program of the conference including the list of the sessions, all the registered reports, schedule of the sessions, program of the invited and oral talks, schedule and location of the poster sessions can be found on the Conference web page (<http://www.jinr.ru/RuPAC2004/>). The Conference program will consist of review reports (30 or 20 min), oral presentations (20 min) and poster reports (poster size 140 x 70 cm).

The conference languages are Russian and English. All the reports will be supported with a synchronic translation.

## **CONFERENCE VENUE**

The Conference will be held in Conference Hall of the Laboratory of Information Technologies, JINR. Poster session will be held in the same building at the hall of 3<sup>rd</sup> floor. The special session on cyclotrons is planned to be held at the Laboratory of Nuclear Reactions.

Internet access will be organized for the conference participants.

## **CONFERENCE FEE**

The conference fee for the participants is 600 Euro before 1 August 2004 and 700 Euro later.

It will cover transportation from the airport or railway station and back, hotel accommodation (6 nights), coffee/tea breaks, Welcome Party, Conference Proceedings, Conference Dinner and social program. The fee for the accompanying persons is 400 Euro before 1 August 2004 and 450 Euro later.

The conference fee should be transferred at the expense of the participants to the following address:

Joint Institute for Nuclear Research, Dubna, Moscow region

The Bank for Foreign Trade of Russia, Moscow.

Account: 40807840400000000292,

SWIFT: VTBRUMM.

PLEASE NOTE: Conference Fee RUPAC 2004 for (your name, Institute and country)

The Fee may also be accepted in cash (Euro or equivalent to USD) during registration on your arrival.

## ACCOMMODATION

Participants will be accommodated in a hotel "Dubna" in single and double rooms. This hotel is about 10 minutes walk from the conference venue. The Organizing Committee will arrange accommodation for the participants.

## PROCEEDINGS

Report titles, abstracts and the list of authors will be available on the Conference web-site <http://www.jinr.ru/RuPAC2004/>. The Book of Abstracts will not be published. The proceedings will be published in English in an electronic version on the web-site of the Joint Accelerator Conferences Website (JACOW) <http://accelconf.web.cern.ch/accelconf/>.

The Conference participants will receive copies of the Book of Abstracts on CD-disks. A hard copy of the proceedings can be obtained for extra pay (40 Euro).

The reports as a hard copy and an electronic version on a diskette 3,5" in Russian or English should be submitted to the Organizing Committee on the first day of the Conference.

Electronic report copies should be prepared in accordance with JACOW rules:

<http://accelconf.web.cern.ch/accelconf/>.

Authors are welcome to contact the RuPAC'04 secretariat for obtaining information on the Conference proceedings - Shirkova Evgeniya ([shirkova@sunse.jinr.ru](mailto:shirkova@sunse.jinr.ru)).

## VISA INFORMATION

To arrange a visa support letter the participants are kindly requested to send to the Secretariat:

Mrs. Valentina Novikova

e-mail: [valentina@jinr.ru](mailto:valentina@jinr.ru)

fax: 7 096 21 65599 or 7 096 21 65891

Personal data should be sent before September 1, 2004.

## SOCIAL PROGRAM

On the 8th of October (in the afternoon) the Organizing Committee is planning an excursion for the participants to the ancient Russian town of Sergiev Posad (Zagorsk) where the most famous Russian Orthodox monastery is situated.

The excursion is included in the Conference Fee.

A special program for accompanying persons will also be organized.

## CONTACT PERSONS

Scientific secretary Mr. Grigory Trubnikov

DLNP, JINR, Joliot-Curie 6, Dubna, Moscow region, 141980 RUSSIA

Tel.: 7 09621 64479

Fax.: 7 09621 66666

Coordinator Mrs. Ekaterina Akhmanova

DLNP, JINR, Joliot-Curie 6,

Dubna, Moscow region, 141980 RUSSIA

e-mail: [rupac2004@jinr.ru](mailto:rupac2004@jinr.ru)

Secretary Mrs. Valentina Novikova

JINR, Joliot-Curie 6, Dubna, Moscow region, 141980 RUSSIA

Tel.: 7 09621 6-51-70

Fax.: 7 09621 6-58-91, 6-55-99

e-mail: [valentina@jinr.ru](mailto:valentina@jinr.ru)

	<b>Monday 04.10</b>	<b>Tuesday, 05.10</b>	<b>Wednesday, 06.10</b>		<b>Thursday, 07.10</b>		<b>Friday, 08.10</b>
9.00-11.00 <i>Morning session</i>	<i>Registration (9:00 – 12:00) hotel “Dubna”</i>	<u>Session</u> “Modern trends in accelerator development, colliders”	<u>Session</u> “Heavy ion accelerators”		<u>Session</u> “Beam dynamics in accelerators and storage rings, cooling methods, new methods of acceleration.”		<u>Session</u> “Accelerators for medical and industrial purposes”
11.00-11.20		Coffee break					<i>11.00-11.30  Closing session</i>
11.20-13.00 <i>Morning session</i>		<u>Session</u> “Injectors/ Ion sources. Electron guns”. <u>Session</u> “Radiation problems in accelerators”	<u>1. Parallel session</u> “Physics and techniques of cyclotrons”	<u>2. Parallel Session</u> “Control and diagnostic systems”	<u>Session</u> “Beam dynamics in accelerators and storage rings, cooling methods, new methods of acceleration.”		
13.00-14.00	Lunch					<i>12.00  Excursion to Sergiev Posad</i>	
14.00-15.40 <i>Afternoon Session</i>	<i>15.00. Opening</i>	<u>Session</u> “High intensity cyclic and linear accelerators”	“Physics and techniques of cyclotrons”	<u>Session</u> “Synchrotron radiation sources and free-electron lasers”	<u>Session</u> “Superconducting accelerators and technology of cryogenics”		
15.40-16.00	Coffee break						
16.00-17.50 <i>Evening session</i>	Session “Modern trends in accelerator development, colliders”	<u>Session</u> “Accelerating structures and powerful electronics”	<i>Excursions to JINR Basic Facilities LNP territory LHE territory</i>		<u>1 Parallel Session</u> “Accelerators for medical and industrial purposes” (LIT)		<u>2 Parallel Session</u> “Magnetic systems, power supply and vacuum systems for accelerators” (UC LIT)
11.00-19.00		Poster session <b>A</b> (LIT) Poster discussion	Poster session <b>B</b> (LIT) (11.00 - 15.30) Poster discussion (15.30 – 16.00)		Poster session <b>C</b> (LIT) Poster discussion		
19.00	<i>Welcome Party (Hotel Dubna)</i>				<i>Banquet</i>		