

**2nd announcement of the
8th International Topical SPARC Workshop (7-10 Sept. 2011)
and the
SPARC Lecture Days (5-6 Sept. 2011)**



to be held in Moscow, Russia

Dear colleagues and members of the SPARC collaboration,

the next Topical Workshop of the SPARC Collaboration will be held from September 7 – 10, 2011, in Moscow, Russia. In addition, two SPARC Lectures Days for students and young scientists will be held from September 5 to 6 in the framework of the SPARC Workshop (http://www.gsi.de/forschung/fair_experiments/sparc/moscow2011_e.html).

This symposium is organized jointly by the Stored Particles Atomic Physics Research Collaboration (SPARC), the Institute of Spectroscopy of the Russian Academy of Sciences, and the Scientific Council on Spectroscopy of the RAS with the assistance of the Institute of Theoretical and Experimental Physics, and the P.N. Lebedev Physical Institute of the RAS.

Workshop Program

The workshop program will concentrate on the following topics:

- Critical and super-critical atomic fields
- Fundamental interactions and symmetries
- Ion-atom /-electron /-molecule collisions at low to relativistic energies
- HCI in traps and rings for spectroscopy
- Atoms/Ions in intense laser fields
- Ion/Laser-matter interactions
- Cross-link between atomic physics and nuclear physics
- Status of present/future heavy ion and storage ring facilities
- Novel instrumentation

In order to allow for attendance of all sessions, no parallel sessions will be held.

List of confirmed lecturers at the SPARC Lecture Days

K. Blaum, MPIK Heidelberg, Germany
L. Labzowsky, Saint-Petersburg State University, Russia
Y. Litvinov, GSI, Darmstadt, Germany
B. Sharkov, FAIR, Darmstadt, Germany
V. Shabaev, Saint-Petersburg State University, Russia
A. Voitkiv, MPIK Heidelberg, Germany

Tentative list of speakers at the SPARC Workshop (not complete)

A. Artiomov, Dubna, Russia; **T. Azuma**, RIKEN, Japan; **V. V. Balashov**, Moscow, Russia; **S. Bogomolov**, Dubna, Russia; **E. Chernovskaya**, St. Petersburg, Russia; **E. Förster**, Jena,

Germany; **I. Goydenko**, St. Petersburg, Russia; **A. Golubev**, Moscow, Russia; **N. Kabachnik**, Moscow, Russia; **A. Kalinin**, Frankfurt, Germany; **S. Kraft-Bermuth**, Giessen, Germany; **Th. Kühn**, GSI, Germany; **J.P. Santos**, Lisboa, Portugal; **V. Shevelko**, Moscow, Russia; **X. Ma**, Lanzhou, China; **R. Martin**, Heidelberg, Germany; **A. Ryabtsev**, Troitsk, Russia; **A. Saenz**, Berlin, Germany; **H. Simon**, GSI, Germany; **S. Schippers**, Giessen, Germany; **K. Stiebing**, Frankfurt, Germany; **S. Tashenov**, Heidelberg, Germany; **M. Trassinelli**, Paris, France; **I. Tupitsyn**, St. Petersburg, Russia; **A. Volotka**, Dresden, Germany; **A. Warczak**, Cracow, Poland; **G. Weber**, Jena, Germany; **E. Widmann**, Vienna, Austria; **D. Winters**, GSI, Germany

Workshop Venue

The workshop will be held at the hotel “Uzkoe”, which is located near the Metro station “Yasenevo” (~15 minutes walking distance) (<http://www.maanhotels.ru/>).

Important Dates

Deadline for registration: 16 May 2011.

In order to register, please use the form provided at:

<http://www-aix.gsi.de/conferences/SPARC2011/>

Deadline for student support: 1 June 2011.

Deadline for abstract submission: 1 June 2011.

The abstract template can be downloaded here:

(http://www-linux.gsi.de/~sparc/sparc_moscow_2011/SPARC2011_Abstract_Template.doc)

Deadline for submitting information required for Russian visa application: 15 May 2011.

Note: Please contact the local organizer L. Bureyeva (bureyeva@sci.lebedev.ru), she will assist you to properly apply for a visa !

Conference Fees

The Workshop Fee is **100 Euro** for regular participants, **60 Euro** for accompanying persons, and **50 Euro** for students. The fee includes: workshop materials, coffee breaks, use of the conference hall, the welcoming party, and the conference dinner.

Workshop Program

We recommend hotel “Uzkoe”, which has the lowest prices (breakfast included):

1. single room, 2610 roubles ~66 Euro/day
2. double room for 2 persons, 3450 roubles ~87 Euro/day
3. double room for 3 persons (with add. folding bed), 4170 roubles ~105 Euro/day

Note: This reduced conference rate can only be obtained by making reservations with assistance from the local organizer L. Bureyeva (bureyeva@sci.lebedev.ru).

Support for Students

We especially want to encourage the participation of young researchers (students, PhD students and postdocs) by offering support for accommodation and the workshop fee. A prerequisite for support is the submission of a contribution (oral or poster) and a letter of support from your supervisor. The local organizing committee will decide if and how much support can be granted. (Deadline: 1 June 2011).

Travel Information

There are two airports in Moscow which offer direct flights to more than 100 destinations worldwide: “Sheremetyevo” (on the north side of the city) and “Domodedovo” (in the south). From the airports, the conference site can be reached by taxi (currently about 38 Euro from “Domodedovo” and about 53 Euro from “Sheremetyevo”) or by public transportation. For the latter, one can use *Aeroexpress* trains (about 8 Euro), which run every 30 minutes and connect airports with the Moscow metro system.

When coming in via “Sheremetyevo”, get off the Aeroexpress at metro station Belorusskaya and on the #5 circle line (brown). Take the circle line to metro station Oktabrskaya and change to metro line #6 (orange); Yasenevo is the 10th stop on the line #6 going south.

When coming in via “Domodedovo”, take the train to metro station Domodedovskaya. Get here on the metro line #2 (green) and change at station Paveletskaya onto the circle line #5 (brown); switch at Oktabrskaya onto metro line #6 (orange) and get off at Yasenevo.

The metro system (about 0.7 Euro one ride) offers the fastest and most convenient way to get around Moscow city <http://enql.mosmetro.ru/flash/scheme01.html> .

Workshop Language

The workshop language is English.

Social Program

The social program and more detailed information on transfers from airports and back will be announced later.

Organizing Committee

L. Bureyeva, ISAN, FIAN, Russia
A. Golubev, ITEP, Russia
A. Gumberidze, GSI / EMMI Darmstadt, Germany
S. Hagmann, Frankfurt University, Germany
K. Koshelev, ISAN, Russia
A. Naumov, ISAN, Russia
R. Schuch, Stockholm University, Sweden
B. Sharkov, GSI & FAIR Darmstadt, Germany
V. Shevelko, FIAN, Russia
Th. Stöhlker, GSI Darmstadt & Helmholtz Institute Jena, Germany
A. Surzhykov, Heidelberg University, Germany
E. Vinogradov, ISAN, Russia
D. Winters, GSI Darmstadt, Germany

Local Contact

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