



**VII International Conference
PLASMA PHYSICS AND PLASMA TECHNOLOGY (PPPT – 7)
MINSK, BELARUS, SEPTEMBER 17 – 21, 2012**
<http://ifanbel.bas-net.by/pppt-7>

ORGANIZED BY

The State Scientific Institution "B.I. Stepanov
Institute of Physics of the National Academy
of Sciences of Belarus"
Scientific Council of NAN of Belarus " Plasma
Physics and Plasma Technologies"

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Scientific Council of RAS "Physics of Low
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VII International Conference on Plasma Physics and Plasma Technology (PPPT-7) will be held in Minsk, September 17 – 21, 2012. The preceding Conferences took place in Minsk in 1994, 1997, 2000, 2003, 2006 and 2009. Over 180 scientists from 12 countries have participated in the last PPPT-6. It is our great pleasure to invite you to participate in the PPPT-7 and contribute original papers related to the topics covered by the conference. The Conference Organizing Committee will try to make your stay in Minsk useful and pleasant.

The scientific programme will include invited lectures, oral and poster presentations, and discussions on the following topics:

1. Electrical and optical discharges, near-electrode processes

(plasma accelerators; arc, spark, barrier, surface, and glow discharges; high-frequency and laser-induced plasma)

2. Transporting, optical, and thermodynamic properties of plasma; plasma dynamics in electromagnetic fields of various configurations, plasma diagnostics

3. Interaction of concentrated energy fluxes with a surface

(modification of surface properties of materials and coatings by electromagnetic radiation, cathode and ion beams; plasma treatment of materials; plasma deposition of coatings)

4. Plasma in nanotechnology

(synthesis of nanoscale structures and fullerenes; formation of surface structures)

5. Plasma applications

(in medicine and biology, in engineering industry, microelectronics, plasma chemistry, metallurgy, ecology, and in spectrochemical analysis)

6. Non-ideal and dusty plasma, clusters

7. ISTC projects

School for Young Scientists

The school for young scientists (under 30 years) will be organized within the framework of the Conference programme, offering a series of lectures on priority directions in plasma physics and plasma technologies.

Registration of Participants and Call for Papers

Participants should be registered and submit an abstract in English (up to 200 words) via the conference website: <http://ifanbel.bas-net.by/pppt-7> before May 31, 2012. The papers will be refereed and selected by the Programme Committee in accordance with the Conference subjects. The decision of the Programme Committee along with the Second Announcement will be mailed to authors not later than June 15, 2012.

Final manuscripts in English (A4 format, 4 pages at most) are to be submitted to the Organizing Committee not later than June 30, 2012. Detailed instructions on manuscript preparation will be available on the conference website: <http://ifanbel.bas-net.by/pppt-7> and will be provided in the Second Announcement. The PPPT-7 Proceedings will be published by the beginning of the Conference.

Conference Fee

The registration fee (regular €250 or in U.S. Dollars according to currency exchange rates, for young scientists – €150 or in U.S. Dollars according to currency exchange rates) covers participation in conference work, one copy of the Conference Proceedings, lunches, coffee-breaks, welcome reception, and city tour of Minsk. A procedure of payment will be specified in the 2nd Announcement.

Accommodation

Rooms at Minsk hotels will be reserved for the Conference participants. Tentatively, daily room charges depending on the comfort level will range from \$30 to \$200. More details on room charges will be offered in the Second Announcement.

Social Program

The conference participants and accompanying persons are expected to take part in various social events including a welcome reception, tours of the city of Minsk and its vicinities, visiting museums, theatres, and concert halls. At the request of the conference participants, sightseeing tours of historical places of Belarus will be arranged.