



**VIII International Conference
PLASMA PHYSICS AND PLASMA TECHNOLOGY (PPPT – 8)
MINSK, BELARUS, SEPTEMBER 14 – 18, 2015
<http://ifanbel.bas-net.by/pppt-8>**

ORGANIZED BY

The B.I. Stepanov Institute of Physics, the National Academy of Sciences of Belarus	The Joint Institute for High Temperatures of the Russian Academy of Sciences The Scientific Council of RAS "Physics of Low Temperature Plasma"	The al-Farabi Kazakh National University
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VIII International Conference on Plasma Physics and Plasma Technology (PPPT-8) will be held in Minsk, from Monday 14th to Friday 18th of September, 2015. The preceding Conferences took place in Minsk in 1994, 1997, 2000, 2003, 2006, 2009 and 2012. Over 170 scientists from 12 countries have attended the last PPPT-7. It is our great pleasure to invite you to participate in the PPPT-8 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, elementary and near-electrode processes

(corona, streamer, spark, barrier, surface, glow, high-frequency, arc, and optical discharges; discharges in liquids; microplasma discharges and plasma jets);

2. Transport, optical, and thermodynamic properties of plasma

(plasma dynamics, heating mechanisms, plasma diagnostics);

3. Generation and interaction of concentrated energy fluxes with a surface

(plasma accelerators; electron and ion beam sources; modification of properties of materials and coatings by electromagnetic radiation, and electron or ion beams; reactions on a surface; laser and plasma treatment of materials; plasma deposition of coatings);

4. Non-ideal and dusty plasmas;

5. Plasma applications

(synthesis of nanoscale structures, nanotubes, and fullerenes; plasma light sources; plasma medicine and plasma biology; plasma in engineering industry, micro- and nanoelectronics, chemistry, metallurgy, ecology, in spectrochemical analysis, etc.).

School for Young Scientists

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

Registration of Participants and Call for Papers Publication of Conference Proceedings

Participants should register on the Conference website, <http://ifanbel.bas-net.by/pppt-8>, by submitting an abstract (up to 200 words) in English before **May 15, 2015**. The papers will be refereed and selected by the Programme Committee in accordance with the Conference topics. The decision of the Programme Committee along with the 2nd Announcement will be e-mailed to authors not later than **June 1, 2015**.

Final manuscripts in English (A4 format, 4 pages at most) are to be submitted to the Organizing Committee not later than **June 30, 2015**. Detailed instructions on manuscript preparation will be available on the Conference website: <http://ifanbel.bas-net.by/pppt-8> and in the 2nd Announcement. The PPPT-8 Proceedings will be published by the beginning of the Conference.

Conference Fee

The registration fee (€280 regular / €150 for young scientists or in U.S. Dollars according to currency exchange rates – early registration before 1st September 2015 and €300 regular / €180 for young scientists – registration at the Conference) covers participation in the Conference work, one copy of the Conference Proceedings, coffee-breaks, welcome reception, and city tour of Minsk. A procedure of payment will be specified in the 2nd Announcement.

Accommodation

Tentatively, daily room charges depending on the comfort level will range from \$50 to \$200. Rooms at Minsk hotels can be reserved for the Conference participants. More information about accommodation in Minsk hotels is available on the websites: <http://www.hotels-minsk.com/rus/hotels.htm>, <http://www.belhotel.by/>.

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.