September 10 (Friday)

Hall A

Section 1.

Fundamental processes in low-temperature plasma: low and high pressure discharges, near-electrode phenomena, radiation, ultrafast processes, diagnostics.

9.00-10.25	Oral Session (OS-1-5).	Chairman: *Ilya L. Muzyukin*

1	Invited report **9.00-9.25**	**OES of nitrogen atoms concentration during plasma processing** *Svetlana V. Avtaeva* Institute of Laser Physics SB RAS, Novosibirsk, Russia
2	Oral **9.25-9.45**	**Spatial spectoscopy of magnetron discharge argon plasma using a radiative-collisional model** *Sergey Serushkin* Bauman Moscow State Technical University, Moscow, Russia
3	Oral **9.45-10.05**	**OES investigation of a low-pressure non-self-sustained glow discharge plasma in Ar:N_2 gas mixture** *Sergey S. Kovalsky, V.V. Denisov, E.V. Ostroverkhov, V.E. Prokop'ev* Institute of High Current Electronics SB RAS, Tomsk, Russia
4	Oral **10.05-10.25**	**Magnetic field influence on the penning discharge characteristics** *Nikita V. Mamedov A.S. Rohmanenkov, A.A. Solodovnikov* Dukhov Automatics Research Institute, Moscow, Russia

10.40-12.00	Oral Session (OS-1-6).	Chairman: *Dmitry A. Sorokin*

1	Oral **10.40-11.05**	**Methods for introducing negative feedback for beam current control in sources with a plasma cathode based on a low pressure arc** *Maxim Vorobyov, P. Moskvin, V. Devyatkov, N. Koval, V. Shin* Institute of High Current Electronics SB RAS, Tomsk, Russia
2	Oral **11.05-11.30**	**The problem of "anomalous" ion transport in high-current vacuum discharges** *V.Y. Kozhevnikov, Alexandr Kokovin, A.V. Kozyrev* Institute of High Current Electronics SB RAS, Tomsk, Russia
3	Oral **11.30-11.55**	**The measurements of vacuum arc behavior at threshold currents** *Ilya L. Muzyukin, P.S. Mikhailov* Institute of Electrophysics UB RAS, Ekaterinburg, Russia

12.00-12.30	Closing Ceremony

September 10 (Friday)

Hall B

Section 2.

Gas-discharge methods for surface modification and coating deposition:

surface modification, ion implantation, combined methods of surface treatment.

09.00-10.25	Oral Session (OS-2-6).	Chairman: *Grey Sh. Boltachev*

1	Invited report Online **9.00-9.35**	**Aerosol assisted atmospheric pressure plasma deposition for silver-containing antibacterial coatings** *Lei Wang, C. Lo Porto, F. Palumbo, M. Modic, U. Cvelbar, C. Leys, A. Nikiforov* National University of Defense Technology, Changsha, China
2	Oral **9.35-10.00**	**Plasma modification of the surface of a steel product using the MAK-10 installation** *S.A. Il'inyh, S.A. Ahmetshin, V.A. Krashaninin, Boris R. Gelchinski, A.A. Rempel* Institute of Metallurgy of the Ural Branch of the Russian Academy of Sciences, Ekaterinburg, Russia
3	Oral **10.00-10.25**	**Development of the computer model of the plasma installation** *Roman A. Okulov, E.V. Popov, B.R. Gelchinski, A.A. Rempel* Institute of Metallurgy of the Ural Branch of the Russian Academy of Sciences, Ekaterinburg, Russia