

1 october 2018

chair: A. Petrukovich

10:00 – 10:30	Masahiro HOSHINO	Energy partition between ion and electron during magnetic reconnection	JAPAN
10:30 – 11:00	Michael HESSE	Why is there a reconnection electric field? M. HESSE, C. NORGRÉN, P. TENFJORD, Yi-Hsin LIU, LI-JEN CHEN, N. BESSHO, SH. WANG, J. BURCH, R. TORBERT	NORWAY
11:00 – 11:30	Gaetano ZIMBARDO	Nonlocal, multiscale transport in space and astrophysical plasmas: revisiting the fractional Fick's law	ITALY

11:30 – 12:00 coffee break

chair: M. Balikhin

12:00 – 12:30	Dominique DELCOURT	Charged particle dynamics in thin current sheets : The cases of Earth and Mercury	FRANCE
12:30 – 13:00	Alexander MILOVANOV	Power-law power spectra in the earth's magnetotail: making turbulence "self-organized" a.v. milovanov, I.m. zelenyi	ITALY

13:00 – 14:00 lunch

chair: A. Sadovski

14:00 – 14:45	Lev ZELENYI		RUSSIA
14:45 – 15:15	Anatoly PETRUKOVICH	Multispacecraft observations of current sheets: from geophysics to plasmas A.A.PETRUKOVICH, A.V.ARTEMYEV, E.E.GRIGORENKO, H.V.MALOVA, L.M. ZELENYI	RUSSIA
15:15 – 15:45	Alexander SERGEEV	Femtosecond lasers and space debris	RUSSIA
15:45 – 16:15	Vladimir FORTOV	Extreme States of Plasma in Space and on the Earth	RUSSIA

chair: I. Chulkov

16:15 – 18:00 Informal presentations, Celebration

18:00 – 21:00 reception

2 october 2018

chair: M. Hesse

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|---------------|--------------------|---|---------|
| 10:00 – 10:30 | Joerg BUECHNER | Reconnecting collisionless current sheets in plasmas – theory and simulations | GERMANY |
| 10:30 – 11:00 | Vladimir KUZNETSOV | Mhd shock waves in collisionless plasma with heat fluxes
V.D. KUZNETSOV, A.I. OSIN | RUSSIA |
| 11:00 – 11:30 | Mikhail PANASYUK | Injector problem in the dynamics of Earth's radiation belts | |

11:30 – 12:00 coffee break

chair: M. Dolgonosov

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| 12:00 – 12:30 | Elena GRIGORENKO | Kinetic features of reconnection in the Earth's magnetotail and their manifestations near magnetic separatrix
E.E. GRIGORENKO, L.M. ZELENYI, M.S. DOLGONOSOV, J.-A. SAUVAUD, M. HOSHINO, A. RUNOV, V. ANGELOPOULOS | RUSSIA |
| 12:30 – 13:00 | Ildar SHAIHISLAMOV | Current sheets in laboratory experiments
I.F. SHAIKHISLAMOV, A.G. PONOMARENKO, YU.P. ZAKHAROV, V.G. POSUKH, ILP SB RAS | RUSSIA |
| 13:00 – 13:30 | Viktor SERGEEV | Remote sensing of magnetotail current sheet during solar electron events
V.A. SERGEEV, N.A. TSYGANENKO, E.I. GORDEEV, V.G. MERKIN, M.I. SITNOV, V. ANGELOPOULOS, A.V. RUNOV | RUSSIA |

13:30 – 14:30 lunch

chair: D. Shklyar

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| 14:30 – 15:00 | Vladimir KRASNOSELSKIH | On the mechanism of radio emission in type III Solar Radiobursts
V. KRASNOSELSKIKH, A. VOSCHEPYNETS, E. KONTAR, M. MAKSIMOVIC | FRANCE |
| 15:00 – 15:30 | Evgeny KUZNETSOV | Dynamics of frozen-in-fluid fields and its consequences in plasma physics | RUSSIA |
| 15:30 – 16:00 | Mikhail BALIKHIN | Results of Cluster bow shock campaign: Fine structure of quasi-perpendicular shock front | UK |

16:00 – 16:30 coffee break

chair: D. Delcourt

16:30 – 17:00	Vyacheslav BUDAEV	Control of multiscaling properties of strong turbulence	RUSSIA
17:00 – 17:30	Oleg POKHOTELOV	Ionospheric response to the natural and man-made activity	RUSSIA
17:30 – 18:00	Maria RIAZANTSEVA	Properties of plasma turbulence generated in various large-scale solar wind streams M.O.RIAZANTSEVA, L.S. RAKHMANOVA, V.S. BUDAEV, G.N. ZASTENKER, YU.I. YERMOLAEV, I.G. LODKINA, J. SAFRANKOVA, Z. NEMECEK, L. PRECH	RUSSIA

concert 18:00 – 19:00

3 October 2018

chair: H. Malova

10:00 – 10:30	Sergei POPEL	Dusty Plasmas at the Moon and in the System of Mars: Waves, Turbulence, Sheath-Like Structures SERGEY I. POPEL, LEV M. ZELENYI	RUSSIA
10:30 – 11:00	Aleksander POLNAREV	Primordial gravitational waves and pregalactic plazma	UK
11:00 – 11:30	Alexander LUTOVINOV	Neutron stars from the birth to the merging	RUSSIA

11:30 – 12:00 coffee break

chair: A. Lutovinov

12:00 – 12:30	Andrey BYKOV	Nonlinear models of collisionless shocks modified by energetic particles	RUSSIA
12:30 – 13:00	Ilan ROTH	New source of the Heliospheric Current sheets: Magnetic Knots and Solar Braids	USA
13:00 – 13:30	Oleg VAISBERG	Working with IKI theoretician	RUSSIA
13:30 – 14:00	Maxim DOLGONOSOV	High-energy atmospheric physics in-between Earth and Space M. DOLGONOSOV, S. KLIMOV, A. CHILINGARIAN AND CHIBIS TEAM	RUSSIA

14:00 – 15:00 lunch