

CONFERENCE PROGRAMM

General Schedule

Monday, 03.10.2016

08:30-11:00	Registration – Institute of Physics, “Winter Garden”	
11.00-11.15	Conference opening - Conference Hall, Institute of Physics	
11.15-12.15	Ditmar, P.	Investigation of mass transport in the Earth's system with satellite gravimetry and other remote sensing techniques
12.15-18.00	Section's work – Conference Hall	Section STP. Solar-Terrestrial physics
13:00-14:00		Lunch break
14.00-18.00	Section's work - Small Conference Hall	Section P. Paleomagnetism and Rock Magnetism
14.00-18.00	Section's work – Room 201	Section EG. Exploration Geophysics and Earth Conductivity
14.00-18.00	Section's work - Room 507	Section SEMP. Seismic-electromagnetic phenomena
18:30-21:30		Ice-Breaking Party

Tuesday, 04.10.2016

9.00-13.00	Section's work – Conference Hall	Section STP. Solar-Terrestrial physics
9.00-13.00	Section's work - Small Conference Hall	Section P. Paleomagnetism and Rock Magnetism
9.00-13.00	Section's work - Room 507	Section SEMP. Seismic-electromagnetic phenomena
9.00-13.00	Section's work - Room 204	Section S. Seismology
13:00-14:00		Lunch break

Invited Lectures. School. Numerical Modeling the Near-Earth Space Environment Conference Hall

14.00-14.05	Samsonov A.A.	Introduction.
14.05-14.40	Kalegaev V.V.	Space Environment Models and Operational Services in Space Weather.
14.40-15.15	Tsyganenko N.A.	The magnetospheric “identikit”: what we knew and learned over four solar cycles worth of spacecraft measurements ?
15.15-15.50	Samsonov A.A.	Can MHD models describe magnetospheric configuration and dynamics reasonably well?
15.50-16.00		Coffee-break

16.00-16.35	Divin A.	High-performance computing in application to simulations of magnetospheric plasma.
16.35-17.10	Namgaladze A.A.	Numerical Upper Atmosphere Model (UAM) - history, current state, perspectives.
17.10-17.45	Krivolutsky A.A.	Numerical simulations of global dynamics and photochemistry of earth's middle atmosphere. Solar activity input.
17.45-18.00		Discussion.
Wednesday, 05.10.2016		
Invited Lectures. School. Conference Hall		
09.00-09.55	Erkaev N.V.	Exoplanets. Theory and Experiment.
09.55-10.50	Sergeev V.A.	Global MHD simulation as a method to investigate magnetosphere.
10.50-11.10		Coffee-break
11.10-12.05	Starchenko S.V.	Geodynamo and planetary dynamos: observations, paleomagnetism and scaling laws
12.05-13.00	Modin I.N.	Geophysical methods application to archeology.
13:00-14:00		Lunch-break
14.00-18.00	Section's work – Conference Hall	Section STP. Solar-Terrestrial physics
14.00-18.00	Section's work - Small Conference Hall	Section P. Paleomagnetism and Rock Magnetism
Tuesday, 06.10.2016		
Excursion to Pavlovsk		
Friday, 07.10.2016		
9.00-13.00	Section's work – Conference Hall	Section STP. Solar-Terrestrial physics – Conference Hall
13:00-14:00		Lunch-break
14.00-18.00	Section's work – Conference Hall	Section STP. Solar-Terrestrial physics

Section STP. Solar Terrestrial Physics

Monday, 03.10.2016

The Sun.

Chair: Vokhmyanin M.V.

12.15-12.35	Popova E.P., Yukhina N.A.	The Quasi-Biennial Cycle of Solar Activity and Dynamo Theory.
12.35-12.55	Shibalova A.S., Obridko V.N., Sokoloff D.D.	Phase Shift between Solar Hemispheres in the Activity Cycle
12.55-13.15	Zolotova N.V., Ponyavin D.I.	Understanding the Maunder minimum
13.15-14.20		Lunch break

Solar-wind. Magnetosheath.

Chair: Samsonov A.A.

14.20-14.40	Kislov R.A., Khabarova O.V., Malova H.V.	Structure of the heliospheric plasma sheet
14.40-15.00	Pushkar E.A.	Impact of the interplanetary magnetic field on flow ahead of the Earth's magnetosphere on impingement of a solar wind discontinuity
15.00-15.20	Grib S.A., Leora S.N.	Secondary MHD Waves in the Magnetosheath before the Magnetosphere of the Earth
15.20-15.40		Coffee break

Magnetospheric waves.

Chair: Yahnin A.G.

15.40-16.00	Chuiiko D.A., Mazur V.A.	Oscillations of 2-D inhomogeneous MHD-waveguide in the outer magnetosphere
16.00-16.20	Klimushkin D. Yu., Leonovich A. S., Mager P. N.	Change of polarization of the long-period Alfvén waves in dipole-like magnetosphere: theory and observations
16.20-16.40	Ismagilov V.S., Kopytenko Yu. A.	Investigation of the Pc5 event in the afternoon sector

16.40-17.00	Chulpanov M.A. , Mager O.V., Mager P.N., Klimushkin D.Yu., Bergardt O.I.	Properties of frequency distribution of Pc5-range pulsations observed with the Ekaterinburg decameter radar in the nightside ionosphere
17.00-18.00		Poster presentations (part I). ##P1-P36. Two-minutes talks with brief .ppt or .pdf presentation.
Tuesday, 04.10.2016		
Magnetotail		
Chair: Gordeev E.I.		
09.40-10.10	Petrukovich A.A. , Artemyev A.V., Zelenyi L.M., Vasko I.Y., Nakamura R.	Multipoint studies of 2-D magnetotail current sheet
10.10-10.30	Korovinskiy D. B. , Ivanov I. B., Semenov V. S., Erkaev N. V., Kiehas S. A.	2-D linearized MHD simulations of flapping oscillations
10.30-10.50	Yushkov E.V. , Artemyev A.V., Petrukovich A.A., Nakamura R.	Electron anisotropy and the dawn-dusk magnetic field in the Earth magnetotail
10.50-11.10		Coffee break
Magnetotail.		
Chair: Korovinskiy D.B.		
11.10-11.30	Kiehas S. , Runov A., Angelopoulos V.	Magnetotail fast flows near lunar orbit
11.30-11.50	Gordeev E. , Sergeev V., Tsyganenko N., Kuznetsova M., Raeder J., Toth G., Merkin V.	The substorm cycle as reproduced by community-available global MHD models
11.50-12.10	Erkaev N.V. , Mezentsev A.V., Ivanov V.A., Dement'eva E.V.	Hall MHD simulation of the magnetic reconnection at the magnetopause
12.10-12.30	Виноградов А.А. , Васько И.Ю., Артемьев А.В., Юшков Е.В., Петрукович А.А., Зеленый Л.М.	Кинетические модели магнитных жгутов в магнитосферном хвосте Земли
12.30-12.50	Shustov P.I. , Artemyev A.V., Vasko I.Y., Yushkov E.V.	Model of subproton-scale magnetic holes
13.00-14.00		Lunch break

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14.00-14.15	Samsonov A.A.	Introduction.
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17.30-18.00		Discussion.
Wednesday, 05.10.2016		
09.00-13.00	Invited Lectures, Conference Hall	
13.00-14.00		Lunch break
Radiation belts.		
Chair: Andreeva V.A.		
14.00-14.20	Myagkova I.N. , Dolenko S.A.	Comparative analysis of the quality of prediction for fluences of relativistic electrons of the outer radiation belt of the Earth at different phases of the solar activity cycle
14.20-14.40	Efitorov A. , Myagkova I., Dolenko S.	Prediction of maximum daily relativistic electron flux at geostationary orbit by adaptive models
14.40-15.00	Sentemova N.S. , Myagkova I.N., Dolenko S.A., Shirokyj V.R.	Forecasting conditions of the Earth's outer radiation belt according to space experiments
15.00-15.20	Ievenko I.B.	SAR arc observations in the events of energetic plasma overlapping with a plasmopause by the Van Allen Probe data during the storm and substorm
Wave-particle interaction.		
Chair: TBD		

15.20-15.40	Demekhov A. G. , Taubenschuss U., Santolik O.	Poynting flux directions of VLF chorus emissions in their source region as inferred from THEMIS data
15.40-16.00	Kuzichev I. V. , Shklyar D. R.	Resonant wave-particle interaction of suprathermal ions with lightning-generated ion cyclotron waves
16.00-16.20		Coffee-break
Sun-Earth connections.		
Chair: TBD		
16.20-16.40	Tarabukina L.D. , Kozlov V.I., Korsakov A.A.	Solar activity and variations in radio frequency pulse number of lightning discharges recorded in Yakutsk in summer 2001-2015
16.40-17.00	Klyushnikov V.Yu, Kozlov S.I., Nagorskiy P.M. , Tassenko S.V.	Do the factors of space weather influence on failed missile launches?
17.00-17.20	Ptitsyna N.G. , Soldatov V.A., Sokolov S.N., Tyasto M.I.	The upward trend in geomagnetic storm occurrences during the 20th century
17.20-17.40	Soldatov V.A., Sokolov S.N. , Ptitsyna N.G., Tyasto M.I.	Specialized AuroMag database of historical geomagnetic and auroral activity
17.40-18.00	Трошичев O.A.	РС индекс как показатель энергии, входящей в магнитосферу: развитие магнитных бурь
18.00-18.20	Belakhovsky V.B., Pilipenko V.A., Baddeley L., Sakharov Ya.A., Samsonov S.N.	Geomagnetic and ionospheric response to SSC as observed by the complex of instruments
Friday, 07.10.2016		
Ionosphere.		
Chair: Gordeev E.I.		
09.20-09.40	Denisenko V.V.	2-D Model of the Ionospheric Conductor
09.40-10.00	Korenkov Yu.N., Bessarab F.S. , Klimenko V.V., Klimenko M.V.	E-region of the ionosphere during 2015 St. Patrick's Day geomagnetic storm
10.00-10.20	Mandrikova O.V., Fetisova (Glushkova) N.V. , Polozov Yu.A.	Analysis of ionospheric parameters and detection of anomalies during ionospheric storms
10.20-10.40	Timofeev E.E. , Shalimov S.L., Vallinkoski M.K.	Physical nature of the thermo-anomalous layer diagnosed by the EISCAT radar within the dusted nightside auroral low ionosphere
10.40-11.00		Coffee break

11.00-11.20	Korsakov A.A. , Kozlov V.I., Karimov R.R.	Estimation of effective height changes of Earth-ionosphere waveguide using phase variations of low and very low frequency radio signals during a solar eclipse
11.20-11.40	Borchevkina O.P. , Karpov I.V., Karpov A.I.	Manifestation of meteorological storm in variations of the total electron content in Kaliningrad region
11.40-12.00	Chernouss S.A. , Shagimuratov I.I., Filatov M.M., Efishov I.I., Ievlenko I.B., Shvec M.V., Tepenitsina N.Yu., Kalitenkov N.V., Kopytenko Yu.A.	Aurora as a marker of GPS/GLONASS signals propagation
12.00-13.00		Poster presentations (part II) ##P37-P47. Two-minutes talks with brief .ppt or .pdf presentation.
13.00-14.00		Lunch-break
Cosmic rays.		
Chair: Mironova I.A.		
14.00-14.20	Nagorskiy P.M. , Pustovalov K.N., Smirnov S.V., Yakovleva V.S.	Comparative analysis of the long-period variations of ionizing radiation and atmospheric electrical quantities
14.20-14.40	Karagodin A.V. , Mironova I.A.	Impact of solar proton events on the chemical compositions of the polar atmosphere
14.40-15.00	Veretenenko S.V. , Ogurtsov M.G.	The stratospheric polar vortex as a controlling factor of cosmic ray influence on cyclonic processes and low cloud anomalies at middle latitudes
15.00-15.20	Mandrikova O.V., Zalyaev T.L.	Modeling and analysis of cosmic ray variations during periods of heliospheric disturbances
15.20-15.40		Coffee break
Space Climate		
Chair: Samsonov A.A.		
15.40-16.00	Gaponov V.A., Kavtrev S.S.	WAYS TO PROVIDE THE FLIGHT SAFETY OF ORBITAL SPACECRAFT'S WITH IT'S OUTER ATMOSPHERE MONITORING
16.00-16.20	Семаков Н.Н. , Григорьевская А.В., Ковалев А.А., Федотова О.И.	Особенности движения северного магнитного полюса
16.20-	Dergachev V.A. , Vasiliev S.S.	Nature of the 2300-year cycle observed in the concentration of cosmogenic isotopes

16.40		
16.40-17.00	Dergachev V.A. , Dmitriev P.B., Tyasto M.I.	Climatic periodicities in the varve thicknesses of the Precambrian Elatina Formation and solar activity cyclicity
17.00-17.20	Bol'shakov V. A.	Are the orbital insolation variations, or CO2 oscillations, the main drivers of the Pleistocene glacial cycles?
17.20-17.40	Avakyan S.V.	Supramolecular physics of the solar-troposphere links: control of the cloud cover by solar flares and magnetic storms
17.40-18.00	Avakyan S.V.	Supramolecular physics of the ionosphere - biosphere links
End of session.		
Posters		
Solar wind.		
P1.	Potapov A.S. , Ryzhakova L.V.	Thin structure of the CIR shear zone
P2.	Sedykh P.A.	Processes at the bow shock and at the transition layer
P3.	Samsonov A.A. , Sibeck D.G., Nemecek Z., Safrankova J.	Prediction of magnetospheric expansion during radial IMF intervals using global MHD model
P4.	Shadrina L.P. , Starodubtsev S.A.	Effect of IMF turbulence in the vicinity of interplanetary shocks on geomagnetic storms and substorms generation
P5.	Barkhatov N.A., Revunova E.A., Vinogradov A.B., Romanov R.V., Yagodkina O.I.	GEOMAGNETIC ACTIVITY STRUCTURES OF MAGNETIC CLOUDS
P6.	Erkaev N.V. , Mezentsev A.V., Ivanov V.A., Dement'eva E.V.	An influence of the Hall MHD effect on the magnetic barrier formation
P7.	Erkaev N.V. , Farrugia C.J., Mezentsev A.V., Ivanov V.A.)	Acceleration of plasma flow in the magnetosheath due to magnetic field draping
Waves.		
P8.	Potapov A.S. , Dovbnaya B.V., Baishev D.G., Polyushkina T.N., Rakhmatulin R.A.	NARROW-BAND EMISSION WITH VARYING FREQUENCY FROM 0.5 UP TO 3.5 Hz IN THE BACKGROUND OF THE MAIN PHASE OF THE 17 MARCH 2013 MAGNETIC STORM
P9.	Demekhov A. G. , Titova E.E., Kozelov B. V., Pasmanik D. L., Manninen J., Santolik O., Kletzing C.	Identification of the source of quasiperiodic VLF emissions using ground-based and Van Allen Probes satellite observations

	A., Reeves G.	
P10.	Ermakova E.N. , Shennikov A.V., Kotik D.S., Pershin A.V., Yahnin A.G., Yahnina T.A.	The spatial distribution of the ULF magnetic field of multiband Pc1 frequencies
P11.	Zotov O.D.	On the specific properties of diurnal variation of the Pc1 geomagnetic pulsation at middle latitude
P12.	Petlenko A.V.	Localization of ionospheric Pc4 sources and proton emissions during magnetic pulsations Pc1 type of pearls intensifications
P13.	Zelikson I.S. , Pilipenko V.A.	Electromagnetic ULF wave energy leakage through the ionosphere as observed by low-orbiting satellites SWARM
P14.	Popova T.A. , Yahnin A.G., Demekhov A.G.	Comparison of EMIC wave observations in the near- equatorial region of the magnetosphere and precipitation of energetic protons at low altitudes
Magnetotail, aurora.		
P15.	Lukin A.S. , Petrukovich A.A.	Dependence of regression coefficient between interplanetary and magnetospheric field By on database selection criteria
P16.	Zaitsev I. V. , Divin A. V., Semenov V. S.	Anisotropy and ion acceleration in reconnection exhaust
P17.	Erkaev N.V. , Semenov V.S., Kubyshkina D.I., Ryzhkov I.I., Kozlova S.V.	Analytical model of double gradient MHD waves in case of non-symmetric magnetotail current sheet
P18.	Yagodkina O.I. , Vorobjev V.G., Zverev V.L.	CHARACTERISTICS AND CONDITIONS FOR GENERATION OF ISOLATED SUBSTORMS
P19.	Barkhatov N.A., Yagodkina O.I. , Revunov S.E., Vorobjev V.G.	SOLAR WIND DRIVING AND FORMATION OF SUBSTORM ACTIVITY
P20.	Ievenko I.B. , Parnikov S.G., Alexeyev V.N.	Manifestations of the intense convection and substorm in the evening MLT sector from the observations by the all- sky imager
P21.	Despirak I.V., Lyubchich A.A. , Kleimenova N.G.	High latitude substorms during the 23-th and 24-th solar cycles
P22.	Despirak I.V. , Kozelov B.V., Guineva V.	Auroral disturbances during St. Patrick's day geomagnetic storms in 2013 and 2015
P23.	Polyushkina T.N., Pashinin A.Yu., Rakhmatulin R.A., Tsegmed B., Potapov	SIMULTANEOUS OBSERVATIONS OF THE IAR EMISSIONS ALONG A MERIDIAN

	A.S.	
P24.	Kornilova T.A. , Golovchanskaya I.V.	Wave-like auroral activities preceding substorm onset
P25.	Yahnin A.G. , Yahnina T.A., Raita T., Manninen J.	On the role of EMIC waves in production of relativistic electron precipitation
P26.	Yahnina T.A. , Yahnin A.G.	Cold plasma density in the regions of the REP generation
P27.	Kozelova T.V., Kozelov B.V. , Turyansky V.A.	Magnetosphere-ionosphere interaction in the auroral region during substorm activations
P28.	Semenova N.V. , Popova T.A., Yahnina T.A., Yahnin A.G.	Global distribution of energetic proton precipitation equatorward of the isotropy boundary
P29.	Sedykh P.A.	Magnetosphere-ionosphere coupling during a substorm
P30.	Volkov M.A.	Formation of the two-dimensional electric field structures in the auroral cavity
Inner magnetosphere		
P31.	Belakhovsky V.B. , Pilipenko V.A., Samsonov S.N.	Energization of the outer radiation belt electrons due to wave-particle interaction
P32.	Kalegaev V.V., Myagkova I., Bobrovnikov S., Barinova V., Eremeev V. , Mukhametdinova L., Nguyen M.D., Shugau Yu.	Operational control of geospace radiation conditions in Space Monitoring Data Center of Moscow State University
P33.	Smolin S. V.	Three-dimensional model of the evolution of the Earth's ring current protons during the magnetic storm
P34.	Smolin S. V.	The analytical description of the Earth's ring current proton flux for the 90° pitch angle
P35.	DUBYAGIN S , Ganushkina N, Sillanpää I., Runov A.	Storm-time electron temperature and density at r=6-11 Re (empirical models)
P36.	Gromova L.I. , Kleimenova N.G., Gromov S.V., Dremukhina L.A., Levitin A.E., Zelinsky N.R., Malysheva L.M.	High-latitude geomagnetic response to the space weather during the intense magnetic storm on June 22-23, 2015
Ionosphere. Atmosphere. Space Climate.		
P37.	Stepanov A.E. , Khalipov V.L., Kotova G.A., Kobyakova S.E., Bogdanov V.V., Kaisin	UPFLOW IONOSPHERIC PLASMA IN THE POLARIZATION JET REGION

	A.V.	
P38.	Evdokimova M.A. , Petrukovich A.A.	Analysis of methods for estimating equivalent ionospheric current from meridian magnetometer chain data
P39.	Maltseva O.A. , Sergeeva M.A.	IONOSPHERIC RESPONSE ON SPACE WEATHER EVENTS ON AN EXAMPLE OF DISTURBANCE OF NOVEMBER 6TH 2001
P40.	Cherniak Iu., Zakharenkova I.	High-latitude ionospheric irregularities: Differences between ground- and space-based GPS measurements during the 2015 St. Patrick's Day storm
P41.	Cherneva N.V. , Vodinchar G.M., Mochalov V.A., Druzhin G.I., Sannikov D.V., Malysh E.A., Mochalova A.V.	Recognition of radio pulses from lightning strokes
P42.	Nagorskiy P.M. , Lemeshko E.Yu.	Monitoring of planetary perturbations in the D - region of the ionosphere by radio occultation method
P43.	Astafiev A. M. , Remenets G. F.	On solution accurateness of a southern boundary determination in the cases of UREP events
P44.	Ptitsyna N.G. , Tyasto M.I., Khrapov B.A.	The 22-year cycle of aurora borealis events in the 19th century
P45.	Ptitsyna N.G. , Altamore A.	Historic Aurora borealis observed in Italy and related solar and geomagnetic activity
P46.	Kurdyayeva Y. A., Karpov I.V., Borchevkina O.P., Vasilev P.A., Kshevetskii S.P.	Simulation of the Upper Atmosphere Disturbances Produced by Acoustic-Gravity Waves Propagated from the Solar Terminator in the Troposphere
P47.	Artamonova I.V. , Eliseev A.	Influence of the galactic cosmic ray on meteorological parameters in the stratosphere
P48.	Pilipenko V.A., Belakhovsky V.B., Sakharov Ya.A.	Charactering the geomagnetic field variability for the study of magnetic storm impact on electric power lines

Section P. Paleomagnetism and Rock Magnetism

Monday, 03.10.2016

Chair: TBD

14.00-14.40	Lhuillier F.	Investigating the variability of the geodynamo from numerical simulations
14.40-15.20	Tsirel V.S. , Semenova M.P., Titova A.V.	Aeromagnetic surveys using unmanned aerial vehicles in foreign countries and in Russia
15.20-16.00		Coffee break
16.00-16.40	Valet J.P. , Meynadier L., Simon Q., Thouveny N.	When sediments fail to record geomagnetic features
16.40-17.00	Kosareva L.R., Shcherbakov V.P. , Nourgaliev D.K., Fabian Karl	The environmental history of Lake Hovsgul, Mongolia, based on a physical interpretation of remanent magnetization endmembers
17.00-17.20	Solyanikov Ya. L. , Malakhov M. I.	Determination of hysteresis loop parameters using combination of linear and spline interpolations
17.20-17.40	Bezaeva N.S. , Swanson-Hysell N.L., Tikoo S.M., Kars M., Egli R., Badyukov D.D., Chareev D.A., Fairchild L.M.	How to discriminate between thermal and mechanical effects of shock on the rock magnetic properties of basalt and diabase spherically shocked up to ~10-160 GPa

Tuesday, 04.10.2016

Chair: TBD

09.20-10.00	Ragulskaya M. V. , Obridko V. N., Hramova E. G.	Early solar system, paleomagnetic field and the biosphere: current issues
10.00-10.20	Starchenko S.V. , Yakovleva S.V.	Hydromagnetic sources of four centuries observed multi-poles in the Earth's core
10.20-10.40	Salnaia Natalia , Gallet Yves, Antipov Ilya, Genevey Agnes	New archeointensity data from North Western and Central Russia between 12 and 19 century AD
10.40-11.00	Shcherbakova V.V. , Biggin A., Shatsillo A.V., Veselovskiy R.V., Hawkins	Extremely weak palaeointensity results from the Minusa basin and Kola Peninsula: was the Devonian field spatially complex?

	L., Shcherbakov V.P., Zhidkov G.V.	
11.00- 11.20		Coffee break
11.20- 11.40	Shcherbakov V.P. , Latyshev A.V., Veselovskiy R.V.	Causes of false paleodirection determinations obtained on Siberian trap and Steens Mountain rocks from conventional stepwise thermal demagnetization
11.40- 12.00	Kulakova E.P. , Veselovskiy R.V.	Evaluation of stability of paleomagnetic signal from rocks weathered in conditions of wave-cut zone
12.00- 12.20	Latyshev A.V. , Ulyahina P.S., Veselovskiy R.V., Mirsayanova E.M.	Anisotropy of magnetic susceptibility of the dolerite sills from the Angara-Taseeva depression (the Siberian platform) and its implication for the magma emplacement reconstruction
12.20- 12.40	Belokon V.I. , Dyachenko O.I.	On the possible self-reversal of magnetization of titanomagnetite
12.40- 13.00	Anisimov S.V. , Afremov L.L., Iliushin I.G.	Modeling of the exchange bias of the hysteresis loops in low-temperature magnetite
13.00- 14.00		Lunch break
Chair: TBD		
14.00- 14.40	Kovalenko D.V.	Paleomagnetism of geological complexes of Mongolia
14.40- 15.00	Fedyukin I.V.	Paleomagnetism of Late Paleozoic and Mesozoic volcanic rocks from South Transbaikalia: new data
15.00- 15.20	Veselovskiy R.V. , Kulakova E.P.	New Middle-Late Devonian paleomagnetic pole for East European platform and Ar/Ar ages from the Kola alkaline magmatic province
15.20- 15.40	Golovanova I.V., Danukalov K.N. , Matrosov V.Yu., Khidiyatov M.M., <u>Bazhenov M.L.</u>	Devonian and lower carboniferous paleomagnetism in the Magnitogorsk zone of the South Urals: preliminary results
15.40- 16.00	Golovanova I.V. , Danukalov K.N., <u>Bazhenov M.L.</u>	Paleomagnetism of Ordovician-Silurian volcanic rocks on the western slope of the South Urals: preliminary results
16.00- 16.20		Coffee break
16.20- 16.40	Vinogradov E.V.	The Late Ordovician-Silurian reversal deposits of the western slope of the Southern Urals

16.40-17.00	Pasenko A.M.	The new paleomagnetic data from Upper Riphean Khaypakh formation (Olenek uplift)
17.00-17.20	Pavlov V.E. , Novikova A.S.	New paleomagnetic data from the northern part of the Uchur-Maya region (eastern margin of the Siberian platform) further supports the coexistence of Siberia and Laurentia within one supercontinent and rapid apparent polar wander during the last 100 millions years of the Mesoproterozoic
17.20-17.40	Vodovozov V.Yu. , Zverev A.R., Filev E.A.	Paleomagnetism of the Early Proterozoic complexes of the Olekma block of the Siberian craton
17.40-18.00	Zverev A.R. , Vodovozov V.U.	Early Proterozoic NRM components of Akitkan group of Minya river - new two paleomagnetic poles
Wednesday, 05.10.2016		
13.00-14.00		Lunch break
14.00-16.40		Poster viewing until ~ 16-40
P1.	Lhuillier F. , Gilder S. A., Wack M., He K., Petersen N., Singer B. S., Jicha B. R., Schaen A. J., Colon D.	More stable yet bimodal geodynamo during the Cretaceous superchron?
P2.	Zhidkov G.V. , Shcherbakova V.V., Lubnina N.V., Shcherbakov V.P., Smirnov M.A.	Palaeointensity determinations on rocks from Paleoproterozoic dykes from the Kola Peninsula (Russia)
P3.	Akimova S.V. , Gallet Y., Amirov S.N.	New archeointensity data from late Neolithic Halafian settlement Yarim Tepe 2 (northern Iraq): geomagnetic and archeological implications
P4.	Aphinogenova N.A. , Shcherbakov V.P., Tsel'movich V.A., Smirnov M.A., Kozmina L.V.	On the origin of L-shaped Arai-Nagata diagrams
P5.	Gribov S.K. , Dolotov A.V.	To the assessment of the impact of process of single-phase oxidation and subsequent decomposition of titanomagnetites on the results of palaeointensity determination by the Thellier method
P6.	Burnatny S. S. , Naumov A. N., Tsygankova V. I., Minyuk P. S.	The problem of identification of Holocene tephra by thermomagnetic method
P7.	Naumov A. N. , Burnatny S. S., Ivanov Yu. Yu.	Magnetic properties of rocks of the Solar prospective area of the Sugosky folded zone Northeast of Russia

P8.	Elkina D.V. , Piskarev A.L.	Magnetic properties of rocks collected from the seabed of the Mendeleev Rise (Arctic Ocean): High- and low-temperature behaviour
P9.	Akhmerov R.D. , Nurgaliev D.K., Kosareva L.R., Kuzina D.M., Krylov P.S., Antonenko V.V., Yusupova A.R.	Preliminary data on the magnetic properties of Lake Rubskoe (Ivanovo region) sediments
P10.	Nachasova I.E., Pilipenko O.V. , Markov G.P.	Geomagnetic field intensity variations around town Taman in the second half of the first millennium BC
P11.	Pilipenko O.V. , Nachasova I.E., Markov G.P., Gribov S.K., Tsetlin U.B.	New archeomagnetic research of pottery from Neolithic settlement Sahtysh-I (Ivanovo region, Russia) c. 5000-2000 BC
P12.	Fetisova A.M., Veselovskiy R.V. , Scholze F.	New data on magnetostratigraphy of Permian-Triassic strata from the Central European Basin (Germany)
P13.	Veselovskiy R.V. , Krivolutskaya N.A., Song Xie-Yan, Chen Lie-Meng, Yu Song-Yue, Smolkin V.F., Gongalskiy B.I.	New paleomagnetic data from the Emeishan Traps and Panzhihua layered intrusion, SW China
P14.	Powerman V.I. , Shatsillo A.V., Latyshev A.V.	Permian-Trassic remagnetization of Balturino Fm.(Lower Silurian, Presayans): possible implications on the duration of trap emplacement
P15.	Dvorova A.V.	Paleomagnetism of the southern Tien Shan upper Paleozoic formations
P16.	Iosifidi A. G. , Mikhailova V. A.	Paleomagnetic studies of Carboniferous sediments from old collections (Russian platform)
P17.	Popov V.V., Sergienko E.S., Iosifidi A.G. , Mikhailova V.A.	Paleomagnetic studies of the reference section of the lower Carboniferous of Msta river
P18.	Pechersky D.M., Kuzina D.M.	Distribution of metallic iron in planets
P19.	Korzinova A.S.	Magnetic properties and features of a microstructure of bark of melting of the Chelyabinsk meteorite
P20.	Korzinova A.S. , Tselmovich V.A.	Magnetic properties and microstructure features of the fusion crust of the Chelyabinsk meteorite
P21.	Kharitonskii P.V., Kosterov A. A., Sergienko E.S.	Two types of impact melts with contrasting magnetic mineralogy from Jänisjärvi impact structure, Russian Karelia
P22.	Starunov V.A. , Kosterov V.A., Sergienko E.S., Kharitonskii P.V.	Magnetic properties of impact melts from the Zhamanshin astrobleme reflecting their formation in extreme conditions
P23.	Ivanov S.A. , Merkur'ev S.A.	Study of short marine magnetic anomalies

P24.	Demina I.M. , Gorshkova N.V., Farafonova Yu.G.	Current model of the main geomagnetic field: possibilities and restrictions
P25.	Demina I.M. , Gorshkova N.V., Soldatov V.A.	Magnetic field of the volume current systems on the Earth's surface and near the core-mantle boundary
P26.	Yakovleva S.V., Starchenko S.V. , Ivanov V.V	Evaluation of geodynamo parameters and older fields from dipole and quadrupole observed since 1840
P27.	Tselmovich V.A., Kurazhkovskii A.Yu., Kazansky A.Yu., Shchetnikov A.A., Blyakharchuk T.A., Amelin I.I.	Possibilities of peat for diagnostics of the nature of catastrophe events according to magnetic and microprobe data
P28.	R. K. Nishad , Sujit K. Pradhan, S. K. Patil, Anup K. Sinha	A preliminary paleomagnetic, rock magnetic, low field AMS and petrological studies of the mafic dykes from the northern part of Singhbhum Craton, eastern India
P29.	Karakhanyan A.K., Minasyan J.O.	Application of paleomagnetic method for studies of rocks and petromagnetic map compilation (Armenia)
P30.	Karimov F.H.	About the nature of stripe magnetic anomalies in subduction zones

Section S. Seismology

Tuesday, 04.10.2016

Chair: TBD

09.30-09.50	Zakharov V.S.	Features and generation mechanisms of subvertical clusters of earthquake foci
09.50-10.10	Seredkina A.I.	Concerning the origin of the rare February 1, 2011, Mw=4.7 earthquake in Western Transbaikalia
10.10-10.30	Gobarenko V.S., Yegorova T.P.	Revealing the anomalous high-velocity body in the crust of Crimean Mountains by local seismic tomography
10.30-10.50	Medvedev S.V., Yanovskaya T.B.	Dependence of travel-time tomography solution on a starting model
10.50-11.40		Coffee break and poster session
11.40-12.00	Usoltseva O.A., Ovtchinnikov V.M.	APPLICATION OF A SIMULATED ANNEALING METHOD FOR DETECTION AND MEASUREMENT OF PARAMETERS OF PKIKP WAVES
12.00-12.20	Eliseev A. A.	Comparison of the results of seismic methods t_0' and forward ray tracing on training profile near Novosibirsk
12.20-12.40	Mokhnatkin A., Assinovskaya B., Gorshkov V., Smirnov S., Scherbakova N.	SEISMIC POTENTIAL OF THE BALTIC SHIELD AND RUSSIAN PLATE COUPLING ZONE ACCORDING TO GNSS DATA
12.40-13.00	Karpinsky V.V.	THE DECADE OF CONTINUOUS SEISMOLOGICAL OBSERVATIONS ON VALAAM ISLAND
	Poster session	
P1.	Gravirov V.V., Kislov K.V.	An electronic freezometer
P2.	Fomochkina A., Bukchin B.	The use of parallel programming in problems of earthquake parameters determination
P3.	Kislov K.V., Gravirov V.V.	On the problem of the application of deep neural networks in seismology
P4.	Guglielmi A. V., Zotov O. D.	Derivation and generalization of the Omory law
P5.	Seredkina A.I., Kozhevnikov V.M., Solovey O.A.	Deep velocity structure of the upper mantle in Asia based on dispersion of Rayleigh and Love waves

P6.	Petrova L.N.	The long-term Earth's deformations from seismogravimeter data at Saint-Petersburg
P7.	Nevalainen J., Usoltseva O., Kozlovskaya E.	Application a double-difference earthquake location algorithm to microseismic monitoring data from Pyhäsalmi mine, Finland
P8.	Lyskova E.L., Koroleva T.Yu., Yanovskaya T.B.	Surface wave tomography of the Central Europe

Section EG. Exploration Geophysics and Earth Conductivity

Monday, 03.10.2016

Chair: TBD

14.00-14.40	Moroz Yu. F., Gontovaya L. I.	The Earth's crust and upper mantle of Kamchatka from geophysical data
14.40-15.20	Plotkin V.V., Gubin D.I.	MAGNETOTELLURIC SOUNDING IN 3D-CASE (NUMERICAL SIMULATION)
15.20-16.00	Bricheva S.S., Stanilovskaya Ju.V.	Prospects of using the numerical modelling in conjunction with the ground penetrating radar (GPR) to study ice wedges
16.00-16.20	Kolesnikov V.E., Zhamaletdinov A.A., Shevtsov A.N., Skorokhodov A.A., Ryazantsev P.A., Nilov M.Yu.	Multi-electrode electrical profiling carried on under the Ladoga electrical conductivity anomaly in complex with MT-AMT soundings ("Ladoga-2015" experiment)
16.20-16.40	Dolenko S.A., Isaev I.V., Osbornev I.E., Osbornev E.A., Shimelevich M.I.	COMPLEX ALGORITHM FOR NEURAL NETWORK SOLUTION OF THE INVERSE PROBLEM OF MAGNETOTELLURIC SOUNDING BASED ON DATA CLASSIFICATION
16.40-17.00	Moroz Yu. F., Loginov V. A.	Deep structure of Tolbachik Fissure Eruption by MT sounding
17.00-17.20	Isaev I.V., Osbornev I.E., Osbornev E.A., Shimelevich M.I., Dolenko S.A.	APPLICATION OF CLASSIFICATION ALGORITHMS FOR SELECTION OF THE OPTIMAL PARAMETRIZATION SCHEME IN THE INVERSE PROBLEM OF MAGNETOTELLURIC SOUNDING
17.20-17.40	Shevtsov A.N., Kolobov V.V., Zhamaletdinov A.A., Kolesnikov V.E., Skorokhodov A.A., Ryazantsev P.A., Birulia M.A., Ivonin V.A.	The multipath frequency sounding onto Kovdor-Yona area of the Kola Peninsula (experiment "Kovdor-2015")
17.40-18.00	Titov A.V., Bobrov N.Yu., Krylov S.S.	GPR study of thermocline in the fresh water bodies

Poster session:

P1.	Astapenko V.	Comparison of the amplitude and the phase geoelectrical models of the MT profiles in Belarus
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P2.	Vardanyan K.S.	The geothermal resources of the territory of Armenia
P3.	Gavrilov S.V., Kharitonov A.L.	ON THE CONVECTION WITHIN THE MANTLE WEDGE BENEATH THE TIMAN-PECHORA PLATE AS A MECHANISM OF TRANSPORT OF HYDROCARBONS AT PALEOZOIC
P4.	Kharitonov A.L.	SPECTRAL ANALYSIS OF THE GEOBIOCHRONOLOGICAL CYCLES SHOWN IN THE COURSE OF EVOLUTION OF THE EARTH AND THEIR COMMUNICATION WITH PHYSICAL FIELDS OF SPACE
P5.	Linok A.V.	Measurements of Electrical Properties of Rocks Within a Wide Frequency Range Using a Four-Electrode system

Section SEMP. Seismo-Electromagnetic Phenomena

Monday, 03.10.2016

Observations of the seismo-electromagnetic effects

Chair: TBD

14.00-14.40	Argunov V	Variations of impulsive natural VLF signals passing over epicenters of earthquakes by observations in Yakutsk
14.40-15.20	Riabova S.A., Spivak A.A.	Seismomagnetic effect in fault zones
15.20-15.40	Karimov R. R., Argunov V. V., Korsakov A. A	Research of lithosphere-ionosphere relationships by observations radio signal amplitude variations in the range of 16-60 kHz, registered in Tiksi
15.40-16.00	Popova I.V., Rozhnoi A.A., Solovieva M.S., Levin B.V., Chebrov D.V.	Detection of VLF&LF signals sensitivity to the effect of seismic and geomagnetic activity according to the monitoring in the Kuril-Kamchatka region
16.00-16.40		Coffee break
16.40-17.00	Rozhnoi A., Solovieva M., Fedun V., Srivastava A.	The lower-ionospheric perturbations as a precursor to the Nepalese earthquakes in April-May 2015
17.00-17.20	Moroz Yu. F., Smirnov S. E.	Features of behavior of the secular variation of the vertical geomagnetic field in Kamchatka
17.20-17.40	Moroz Yu. F., Smirnov S. E.	The results of monitoring the electrical conductivity of the lithosphere in subduction zone of Kamchatka
17.40-18.00	Kopytenko Yu. A., Ismagilov V.S., Hayakawa, M.	Investigation of the magnetic field disturbances from the catastrophic tsunami of 11.03.2011 in Japan

Tuesday, 04.10.2016

Theory and modeling of electromagnetic processes related to earthquakes

Chair: TBD

09.00-09.20	Denisenko V.V., Kitaev A.V., Boudjada M., Lammer H.	Analysis of a few mathematical models of quasi-stationary electric fields penetration to the ionosphere through the Earth's atmosphere
09.20-09.40	Hachay O.A., Khachay O.Yu., Khachay A.Yu	Modeling of seismic-electromagnetic processes in heterogeneous media with hierarchic conductive, magnetic, elastic and dense inclusions
09.40-	Namgaladze A.A., Karpov	On delivery of the seismogenic electricity to the

10.20	M.I.	ionosphere
10.20-10.40	Novikov V.A., Ruzhin Yu. Ya., Okunev V.I., Klyuchkin V.N., Shen X., Liu J.	Electrical triggering of earthquakes: Insight from laboratory experiments
10.40-11.00	Smirnova, N.A., Troyan, V.N. Kopytenko Yu.A, Uritsky, V.M., Hayakawa, M.	Earthquake-precursory behavior of the ground-observed ULF emissions: experimental results and the SOC-based modeling
11.00-11.40		Coffee break
11.00-13.00	Poster session:	
P1.	Barkhatova O.M., Barkhatov N.A., Kosolapova N.V., Yagodkina O.I.	The magnetosonic waves in the mid-latitude ionosphere appearing within preparation phase of strong earthquakes
P2.	Solovieva M., Rozhnoi A., Biagi P.F., Maggipinto T., Levin B.	The lower ionosphere response driven by the chain of the meteotsunamis in the Mediterranean Sea in June 2014