

CONFERENCE SCHEDULE

JUNE 3, SUNDAY

Arrival of the participants. Registration. Hotel check-in

20:00 Welcome Party

JUNE 4, MONDAY

Morning session:

9:30 *Opening of the Conference*

10:10 *"Coupling between neutral and ionized atmosphere and transient changes of electron densities in the upper atmosphere"*

Jaroslav Chum, Institute of atmospheric Physics, Czech Academy of Sciences
Prague, Czech Republic

10:50 Coffee Break

11:00 *"Results of the studies of the lower ionosphere by the method of the radio wave back scattering on natural and artificial irregularities of the ionospheric plasma"*

Nataliya V. Bakhmetieva., Radiophysical Research Institute Nizhny Novgorod
State University
Nizhny Novgorod, Russia

11:50 *"Stimulated electromagnetic emissions of the ionosphere: main properties and diagnostic possibilities"*

Savely M. Grach, Lobachevsky State University of Nizhny Novgorod
Nizhny Novgorod, Russia

Section F

- 14:30 ***"Structure of the equinoctial equatorial anomaly under high and low solar activity: comparison"***
Alexander T. Karpachev, Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation RAS
Troitsk, Russia
- 14:50 ***"Evaluation of the ionosphere-magnetosphere disturbance during an intense magnetic storm"***
Elena V. Nepomnyashchaya, Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation RAS
Troitsk, Russia
- 15:10 ***"Interpretation of the F2 layer ionospheric response to the main phase of 2015 St. Patrick's Day storm over Irkutsk"***
Maxim V. Klimenko, West Department of Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation RAS
Kaliningrad, Russia
- 15:30 ***"After-effects of geomagnetic storms in NmF2 disturbances over Irkutsk and Kaliningrad ionosondes"***
Konstantin G. Ratovsky, Institute of Solar-Terrestrial Physics SB RAS
Irkutsk, Russia
- 15:50 *Coffee Break*
- 16:10 ***"GSM TIP viewer - the tool for upper atmosphere morphology and disturbances study based on first principle modeling"***
Artem M. Vesnin., Institute of Solar-Terrestrial Physics SB RAS
Irkutsk, Russia
- 16:30 ***"Solar Extreme Ultraviolet (EUV) Radiation and Variability of Ionospheric Parameters"***
Fedor S. Bessarab, Kaliningrad branch of Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radiowave Propagation, RAS
Kaliningrad, Russia
- 16:50 ***"Model Simulation of Oblique Sounding Ionograms between Lovozero and Gorkovskaya during St. Patrick's Day 2015 Geomagnetic Storm"***
Daria S. Kotova, Kaliningrad branch of Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radiowave Propagation, RAS
Kaliningrad, Russia
- 17:10 ***"Features of Radio Ray Identification by a Direct Variational Method"***
Igor A. Nosikov, Immanuel Kant Baltic Federal University
Kaliningrad, Russia

Section M

14:30 ***"Structure and properties of mixed TiO₂-MoO₃-V₂O₅ nanosized composites prepared by mechanochemical synthesis"***

Alexander I. Kokorin, Semenov Institute of Chemical Physics, RAS
Moscow, Russia

14:50 ***"Structure and Stability of Small Gold Nanoclusters: Planar, Bulk, or Cage-like Configurations"***

Yuri A. Dyakov, Genomics Research Center, Academia Sinica
Taipei, Taiwan

15:10 ***"Paramagnetic centers in F-doped titania"***

Elizaveta A. Konstantinova, Lomonosov Moscow State University
Moscow, Russia

15:30 ***"¹⁴N NQR and ¹⁴N NMR detection of explosive and dangerous compositions"***

Galina S. Kupriyanova, Immanuel Kant Baltic Federal University
Kaliningrad, Russia

15:50 *Coffee Break*

16:10 ***"Detection and monitoring of environmental factors those can be responsible for the cardiocatastrophes"***

Olga M. Stupishina, Russian State Hydrometeorology University
Saint-Peterburg, Russia

16:30 ***"Biodegradable compositions based on PLA and polysaccharides"***

Svetlana Z. Rogovina, Semenov Institute of Chemical Physics RAS
Moscow, Russia

16:50 ***"Porous biodegradable composite materials for tissue engineering"***

Timofei E. Grigoriev, National Research Centre "Kurchatov Institute"
Moscow, Russia

17:10 ***"Investigation of early stage of laboratory animals embryo ontogenesis by acoustic microscopy"***

Elena A. Khramtsova, N.M.Emanuel Institute of Biochemical Physics RAS
Moscow, Russia

JUNE 5, TUESDAY

Morning session:

09:30 *"Kinetics of Chemical Reactions with Associates in Liquid Phase at Action of Acoustic Vibrations"*

Tatiana P. Kulagina, Institute of Problems of Chemical Physics RAS
Chernogolovka, Russia

10:10 *"Sensor properties of mixed nanostructured metal oxide films"*

Leonid I. Trakhtenberg, Semenov Institute of Chemical Physics RAS
Moscow, Russia

10:50 *Coffee Break*

11:10 *"Multi-Polarization Antenna System"*

Anatoly Gooshchin, Goodelta Ltd., Tel Aviv, Israel
Moscow, Russia

Section E

14:30 *"Ab Initio Study of Singlet and Triplet Valence-Rydberg Electronic States of N₂ Molecule"*

Maxim G. Golubkov, Semenov Institute of Chemical Physics RAS
Moscow, Russia

14:50 *"An effect of orientational isomerism of the small neutral water clusters on their thermodynamic functions and concentrations in a gas phase"*

Ekaterina A. Shirokova, Lobachevsky State University of Nizhny Novgorod
Nizhny Novgorod, Russia

15:10 *"Spin Dependent Processes in Three Spin Systems. Radical Triads and Quantum Dots"*

Aleksandr. S. Letuta, Orenburg University
Orenburg, Russia

15:30 *"Ab initio calculations of surface catalytic recombination of heat flow stimulating of spacecraft in the upper atmosphere"*

Andrey S. Vetchinkin, Semenov Institute of Chemical Physics RAS
Moscow, Russia

15:50 *Coffee Break*

Section S+T

- 16:10 ***"Optimal characteristics of the advanced system intended for space based monitoring of the high-energy pulse sources"***
Konstantin S. Mozgov, Joint-stock Company "Research and production Corporation "Precision Systems and Instruments"
Moscow, Russia
- 16:30 ***"Identification techniques for substances on a surface with diffusively reflected radiation of the quantum cascade laser source"***
Igor L. Fufurin, Bauman Moscow State Technical University
Moscow, Russia
- 16:50 ***"Development of one channel FTIR spectrometer for spectral ranges 3-5 μm and 7-13 μm "***
Pavel A. Korolev, Bauman Moscow State Technical University
Moscow, Russia
- 17:10 ***"Compact static Raman Fourier spectrometer for identification of non-volatile pollutants"***
Igor S. Golyak, Bauman Moscow State Technical University
Moscow, Russia
- 17:30 ***"Static Fourier UV-vis spectrometer with an image intensifier tube"***
Ivan B. Vintaykin, Bauman Moscow State Technical University
Moscow, Russia

Section D

- 14:30 ***"Influence of relief and oceans on the Global Electric Circuit"***
Valery V. Denisenko, Federal Research Center "Krasnoyarsk Science Center",
Siberian Branch RAS
Krasnoyarsk, Russia
- 14:50 ***"Flux Enhancements of >30 keV Electrons beneath the Radiation Belt: a statistical study for 1998-2016"***
Alla Suvorova, GPS Science and Application Research Center, National Central University
Jhongli, Taiwan
- 15:10 ***"Joint Use the Upper and Lower Atmosphere Models for Reproduction the Response to 2009 Sudden Stratospheric Warming Event"***
Maxim V. Klimenko, Kaliningrad branch of Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radiowave Propagation, RAS
Kaliningrad, Russia

15:30 *"Ionospheric effects of Sudden Stratospheric Warmings and Geomagnetic Storms observed with the signals of geostationary navigational satellites"*
Ekaterina A. Kozlovtseva, Lomonosov Moscow State University
Moscow, Russia

15:50 *Coffee Break*

16:10 *"To the problem of estimating accuracy of atmosphere perturbations diagnostics by projection operators method"*
Sergey B. Leble, Immanuel Kant Baltic Federal University
Kaliningrad, Russia

16:30 *"First results of the Entire Atmosphere Global Model (EAGLE)"*
Timofei V. Sukhodolov, Physikalisch-Meteorologisches Observatorium, World Radiation Center
Davos, Switzerland

16:50 *"Changes in the middle and upper atmosphere parameters during the 2013 major stratospheric warming"*
Anna S. Yasyukevich, Institute of Solar-Terrestrial Physics SB RAS
Irkutsk, Russia

17:10 *"Modeling of ionospheric disturbances caused by meteorological storms"*
Pavel A. Vasilev, Immanuel Kant Baltic Federal University
Kaliningrad, Russia

Evening session:

17:30 Poster session. Sections E, M, S, T.

JUNE 6, WEDNESDAY

Morning session:

09:30 *"Cyclotron resonant interactions in the inner magnetosphere "*

Andrei G. Demekhov, Polar Geophysical Institute
Apatity, Russia

10:10 *"Dynamics of large-scale magnetospheric systems and magnetosphere-ionosphere coupling"*

Vladimir V. Kalegaev, Skobeltsyn Institute of Nuclear Physics, Lomonosov
Moscow State University
Moscow, Russia

10:50 *Coffee Break*

11:10 *"Ionospheric irregularities at high geomagnetic latitudes studied with satellites and ground-based instruments"*

Wojciech J. Miloch, University of Oslo
Oslo, Norway

Section P

09:30 *"Long-range Interaction in Processes of Heat Transfer and the Atmosphere"*

Valeriy N. Zatelepin, INLIS Laboratory
Moscow, Russia

09:50 *"Electro-Hydrodynamic Phenomena over Liquids under Influence of Corona Discharge"*

Adliya R. Bikmukhametova, Lomonosov Moscow State University
Moscow, Russia

10:10 *"Interaction of plasma with earth surface"*

Adliya R. Bikmukhametova, Lomonosov Moscow State University
Moscow, Russia

10:30 *"Principles of the theory of long-lived plasma formations in the atmosphere"*

Andrey V. Chistolinov, Joint Institute for High Temperatures of the Russian
Academy of Sciences
Moscow, Russia

10:50 *Coffee Break*

- 11:10 *"Ball lightning observations analysis of "the Mitino trap 2015"*
Andrey I. Shchedrin, Undependent researcher
Moscow, Russia
- 11:30 *"Proposed formation mechanism of ball lightning in nature"*
Andrey I. Shchedrin, Undependent researcher
Moscow, Russia
- 11:50 *"Experimental and theoretical research of electric dipoles interaction inside the shell of ball lightning"*
Anatoly I. Nikitin, Talrose Institute for Energy Problems of Chemical Physics,
RAS
Moscow, Russia

Afternoon session:

Section D

- 14:30 *"The Effect on Ionospheric Electron Density of Polarized Modes of Lightning Induced EM Waves"*
Ramazan Atıçı, Mus Alparslan University
Mus, Turkey
- 14:50 *"Antropogenic ionospheric disturbances in the Central Economic Region of Russia"*
Yaroslav A. Ilyushin, Moscow State University
Moscow, Russia
- 15:10 *"Contribution of mathematical approximations to estimation of parameters of phase frequency dispersion for transionospheric radio propagation"*
Aleksy Kislitsin, Volga State University of Technology
Yoshkar-Ola, Russia
- 15:30 *"Effects of ionospheric E-layer dynamo current on the daily geomagnetic field variations"*
Osman Özcan, Fırat University
Elazığ, Turkey

15:50 *Coffee Break*

16:10 *"Comparison of F10.7 solar flux and QBO effects on the neutral temperature of lower ionosphere"*
Selçuk Sağır, Mus Alparslan University
Mus, Turkey

16:30 *"The trace of matrix of the loss-tangent tensor for the cold ionosphere plasma in northern hemisphere"*
Ali Yeşil, Firat University
Elazığ, Turkey

16:50 *"The Earth`s atmosphere self-radiation transfer CUDA-modeling"*
Konstantin G. Orlov, Polar Geophysical Institute
Apatity, Russia

Section F

14:30 *"Spatial and energy extension of storm-time energetic electron precipitations"*
Alexei Dmitriev, Institute of Space Science, National Central University
Jhongli, Taiwan

14:50 *"Using of the auroral oval model in modern time"*
Sergey A. Chernouss, Polar Geophysical Institute
Apatity, Russia

15:10 *"Small-scale plasma inhomogeneities in the Earth's ionosphere of the Arctic region"*
Alexander Chernyshov, Space Research Institute of the RAS
Moscow, Russia

15:30 *"Empirical Model of the Ionospheric Trough for the Daytime Winter Conditions"*
Alexander T. Karpachev, Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation, RAS
Troitsk, Russia

15:50 *Coffee Break*

- 16:10 *"Radio Occultation Data for High-Latitudinal F2-Layer Empirical Modeling"*
Nikolay V. Chirik, Immanuel Kant Baltic Federal University
Kaliningrad, Russia
- 16:30 *"Ionospheric anomalies during solar events in 2015-2017: features, intensity, dynamics (according to the data of the ground station network)"*
Nadezhda V. Fetisova, Institute of Cosmophysical Research and Radio Wave Propagation FEB RAS
Paratunka, Russia
- 16:50 *"Long (1964-2017) Data Base of Kaliningrad Ionosonde Observation"*
Maxim V. Klimenko, West Department of Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation RAS
Kaliningrad, Russia
- 17:00 *"Tomographic methods in remote sensing of atmosphere and near-Earth space"*
Artem Padokhin, Lomonosov Moscow State University
Moscow, Russia

Evening session:

- 17:30 Poster session D

JUNE 07, THURSDAY

Morning session:

- 09:30 *" Electromagnetic radiation of expanding plasma in air environment "*
Leonid S.Chudnovskiy, Open Joint-stock Company "Research-and-Production Corporation "Precision System and Instruments"
Moscow, Russia
- 10:10 *"The Humming and Motion of Ball Lightning I: Atmospheric Maser Spiking"*
Peter H. Handel, University of Missouri-St. Louis
St. Louis MO, USA

10:50 *Coffee Break*

- 11:10 *"Ball Lightning - Heterogeneous Charged Plasmoid with Chemical Transmutation Reactions"*
Anatoly I. Klimov, Joint Institute for High Temperature RAS
Moscow, Russia

Afternoon session:

Section D

- 14:30 *"The D-region stratification from observation at the SURA facility"*
Nataliya V. Bakhmetieva, Radiophysical Research Institute Nizhny Novgorod State University
Nizhny Novgorod, Russia
- 14:50 *"GNSS phase altimetry of the sea level: numerical simulation of the echoes from waving sea"*
Yaroslav A. Ilyushin, Moscow State University
Moscow, Russia
- 15:10 *"ENSO Impacts on the Middle and Upper Atmosphere in the Winter Northern Hemisphere"*
Alexander I. Pogoreltsev, Russian State Hydrometeorological University
Saint-Petersburg, Russia
- 15:30 *"Modeling of energetic particles impact on ozone layer and atmospheric circulation"*
Dmitry V. Kulyamin, Institute of Numerical Mathematics RAS
Moscow, Russia

15:50 Coffee Break

- 16:10 ***"Peculiarities of TEC behaviour along the Mexican meridian during the weak ionospheric disturbances"***
Maria A. Sergeeva, SCiESMEX, LANCE, Instituto de Geofisica, Unidad Michoacan, Universidad Nacional Autonoma de Mexico, Antigua carretera a Patzcuaro
Morelia, Michoacan, Mexico
- 16:30 ***"Traveling Ionospheric Disturbance Interferometry Using Geostationary Navigational Satellites"***
Nikita A. Tereshin, Lomonosov Moscow State University
Moscow, Russia
- 16:50 ***"Appearance frequency of GNSS amplitude and phase scintillations at midlatitudes"***
Yury V. Yasyukevich, Institute of Solar-Terrestrial Physics SB RAS
Irkutsk, Russia
- 17:10 ***"Tropospheric delay of radio navigation data simulation"***
Alexey Zuev, Volga State University of Technology of Yoshkar-Ola
Yoshkar-Ola, Russia

Section P

- 14:30 ***"Natural and Artificial Long Living Luminescent Objects"***
Vladimir L. Bychkov, Lomonosov Moscow State University
Moscow, Russia
- 14:50 ***"Production of long-lived plasma structures using capillary discharge"***
Adliya R. Bikmukhametova, Lomonosov Moscow State University
Moscow, Russia
- 15:10 ***"On Spectral and Energetic Characteristics of Erosional Plasma on the Basis of a Tin Alloy and of "Jumping Fireballs"***
Alexei L. Pirozerski, Saint-Petersburg State University
Saint-Petersburg, Russia
- 15:30 ***"Traces of ball lightning interaction with glass as a proof of its material nature"***
Anatoly I. Nikitin, Talrose Institute for Energy Problems of Chemical Physics, RAS
Moscow, Russia

15:50 Coffee Break

- 15:50 *"Energy, charge, and radio-waves emission as the base principles for development of electrodynamical model of ball lightning"*
Anatoly I. Nikitin, Talrose Institute for Energy Problems of Chemical Physics,
RAS
Moscow, Russia
- 16:10 *"Features of the Mitino's Ball Lightning Motion near the Transmission Line"*
Anatoly I. Nikitin, Talrose Institute for Energy Problems of Chemical Physics,
RAS
Moscow, Russia
- 16:30 *"On Particle Acceleration and Relaxation in Ball Lightning"*
Geert C. Dijkhuis
Rotterdam, The Netherlands
- 16:50 *"A Model for Ball Lightning Derived from an Extension of the Electrodynamics Equations"*
Daniele Funaro, Dipartimento di Fisica, Informatica e Matematica, Università di
Modena e Reggio Emilia
Modena, Italy
- 17:10 *"The Humming and Motion of Ball Lightning II: Discussion and Motion"*
Peter H. Handel, University of Missouri-St. Louis
St. Louis MO, USA
- 17:30 *"The Humming and Motion of Ball Lightning III: Experiments on the Maser-Soliton Theory and a New Cloud Electrification Process"*
Peter H. Handel, University of Missouri-St. Louis
St. Louis MO, USA

Evening session:

18:00 Poster session F, P

JUNE 08, FRIDAY

Morning session:

09:30 *"Laboratory Experiments in Atmospheric Chemistry"*
Igor I. Morozov, Semenov Institute of Chemical Physics RAS
Moscow, Russia

10:10 *"3D numerical simulations of ionized and neutral atmospheric chemical composition up to 90 km from the ground with global photochemical model CHARM-I"*

Alexei A. Krivolutsky, Central Aerological Observatory
Dolgoprudny, Russia

10:50 *Coffee Break*

11:10 *"The evolution of the ozone layer under influence of the natural and anthropogenic factors"*

Eugene V. Rozanov, Physikalisch-Meteorologisches Observatorium, Davos, World
Radiation Center (PMOD/WRC)
Davos Dorf, Switzerland

11:50 *Closing the Conference*

14:00 Excursion to Curonian Spit & Conference Dinner

JUNE 09, SATURDAY

Departure of the participants. Hotel check-out

POSTER SESSION I

Sections E M S T

July 5, Tuesday

1) *"Ab Initio Calculation of the Lowest 2S Resonance of He– by Complex Absorbing Potential Method "*

Sergey O. Adamson, Lomonosov Moscow State University
Moscow, Russia

2) *"Noncovalent Hydrogen Isotope Effects in the van der Waals Complexes"*

Natalia N. Breslavskaya, Institute of General and Inorganic Chemistry RAS
Moscow, Russia

3) *"Calculation of electromagnetic dipole radiation in the wave zone with vector potential"*

Leonid S.Chudnovskiy, Open Joint-stock Company "Research-and-Production Corporation "Precision System and Instruments"
Moscow, Russia

4) *"Low-Temperature Exchange Reactions Involving O, N, O₂, N₂, and Rydberg Particles in Orbitally Degenerate States"*

Veronika V. Kuverova, Center of Chemical Physics of Atmosphere
Moscow, Russia

5) *"Amplitude detector with a large dynamic range"*

Leonid S.Chudnovskiy, Open Joint-stock Company "Research-and-Production Corporation "Precision System and Instruments"
Moscow, Russia

6) *"Transfer of hidden information in speech message"*

Leonid S.Chudnovskiy, Open Joint-stock Company "Research-and-Production Corporation "Precision System and Instruments"
Moscow, Russia

7) *"Classical Model of Superconductivity Formation on Ideal Crystal Lattice Defect-Twin or Twin Boundary"*

Vladimir A. Chizhov, LLC «Processing of energy materials»
Moscow, Russia

8) *"Photosensitizers based on supported tetrapyrrolic complexes: photocatalysis and chemical safety problems"*

Anton V. Lobanov, Semenov Institute of Chemical Physics
Moscow, Russia

9) *"Environmental safety in the preparation, transportation and storage of petroleum products"*

Yurii A. Gavrilov, Semenov Institute of Chemical Physics, RAS
Moscow, Russia

10) "Total oxidation of ethane: New Cu- CuO-CeO₂ catalysts synthesized by mechanochemical activation"

Olga S. Morozova, Semenov Institute of Chemical Physics RAS
Moscow, Russia

11) "The detector of a secondary cosmic rays electron-muon component for a RUSCOSMICS calculations results verification"

Evgeny A. Maurchev, Polar Geophysical Institute
Apatity, Russia

12) "Time Dependence of the Fluorescence from a Polymer Membrane Swollen in Water: Concentration and Isotopic Effects"

Andrey N. Morozov, Bauman Moscow State Technical University
Moscow, Russia

13) "The dynamic Fourier-spectrometer optimized for registration Raman spectra"

Andrey N. Morozov, Bauman Moscow State Technical University
Moscow, Russia

14) "About One Possible Mechanism of Condensation Water Vapor in Atmosphere"

Andrey N. Morozov, Bauman Moscow State Technical University
Moscow, Russia

15) "The advantages of using two IR spectral ranges for substance identification "

Nikolay S. Vasil'ev, Center of Applied Physics by N. E. Bauman
Moscow, Russia

16) "Features of intermolecular interactions of xenon and krypton fluorides in nonaqueous hydrogen fluoride"

Shavkat Sh. Nabiev, National Research Center "Kurchatov Institute"
Moscow, Russia

POSTER SESSION II

Section D

July 6, Wednesday

1) *"Troposphere and ionosphere variations under meteorological disturbances in April 2016"*

Olga P. Borchevkina, Immanuel Kant Baltic Federal University
Kaliningrad, Russia

2) *"Review on some Aspects of the Solar-Terrestrial Coupled Systems "*

Clezio M. Denardini, National Institute for Space Research (INPE)
S. J. Campos-SP, Brazil

3) *"Nonlinear Interaction of Wave Processes in the Middle and Upper Atmosphere"*

Ksenia A. Didenko, St Petersburg University
Saint-Petersburg, Russia

4) *" ENSO Influence on the Polar Temperature and Ozone Mixing Ratio in the Springtime Stratosphere"*

Ekaterina A. Drobashevskaya, Russian State Hydrometeorological University
Saint-Petersburg, Russia

5) *"Influence of the Madden – Julian oscillation on extratropical atmosphere circulation"*

Kanykei K. Kandieva, Russian State Hydrometeorological University
Saint Petersburg, Russia

6) *"X-ray increase while precipitation as an atmosphere phenomenon"*

Aleksei V. Germanenko, Polar Geophysical Institute
Apatity, Russia

7) *"Statistical Characteristics of Ionosphere Variations in the Time of Seismic Activity"*

Aleksandr T. Karpachev, Institute of Terrestrial Magnetism, Ionosphere and Radio
Wave Propagation RAS
Moscow, Russia

8) *"Choice of Optimal F10.7 -Related Index for NmF2 Global Empirical Model"*

Maxim V. Klimenko, West Department of Pushkov Institute of Terrestrial Magnetism,
Ionosphere and Radio Wave Propagation RAS
Kaliningrad, Russia

9) *"Numerical simulation of sensitivity of meridional circulation to impacts of orographic gravity waves and QBO phases in the middle and upper atmosphere"*

Andrey V. Koval, Saint-Petersburg State University
Kaliningrad, Russia

10) *"Numerical simulation of wave propagation from atmospheric pressure variations registered with the microbarographs net in Moscow and environs"*

Yuliya A. Kurdyaeva, Immanuel Kant Baltic Federal University
Kaliningrad, Russia

11) "Tsunami-driven plane acoustic waves in the atmosphere"

Sergey B. Leble, Immanuel Kant Baltic Federal University
Kaliningrad, Russia

12) "Absolute vertical total electron content from Galileo, Beidou, GLONASS and GPS"

Anna A. Mylnikova, Institute of Solar-Terrestrial Physics SB RAS
Irkutsk, Russia

13) "Absolute total electron content driven by the single-frequency GNSS measurements"

Anna A. Mylnikova, Institute of Solar-Terrestrial Physics SB RAS
Irkutsk, Russia

14) "Generation of the Electromagnetic Ion Cyclotron Waves by the Artificial Ionospheric Source"

Ekaterina V. Orlova, Lobachesky Nizhny Novgorod State University
Nizhny Novgorod, Russia

15) "Comparison of global ionospheric maps with data obtained using vertical sounding of the ionosphere"

Inna R. Petrova, Kazan Federal University
Kazan, Russia

16) "Seasonal and Interannual Variability of Temperature and Gravity Wave Intensity from Hydroxyl Emission Observations in Alma Aty"

Andrey A. Popov, Saint Petersburg State University
Saint Petersburg, Russia

17) "Propagation of stationary planetary waves to the thermosphere at different levels of solar activity"

Nikita O. Shevchuk, Saint Petersburg State University
Saint Petersburg, Russia

18) "Dependence of the Stimulated Electromagnetic Emission Behavior on Relative Location of the Ionosphere HF-pumped Volume and Groundbased Receiving Sites - on the Base of 2011 Experiments at HAARP"

Vera N. Smolina, Lobachesky Nizhny Novgorod State University
Nizhny Novgorod, Russia

19) "Comparative analysis of the ray path and amplitude characteristics of the normal modes of HF waves propagating in the ionosphere"

Kristina V. Tatarinova, Immanuel Kant Baltic Federal University
Kaliningrad, Russia

20) "Towards Automated Computer Evaluation of Seismo-Associated Ionosphere Total Electron Content Disturbances: Problems and Challenges"

Oleg V. Zolotov, Murmansk Arctic State University
Murmansk, Russia

POSTER SESSION III

Section F, P

July 7, Thursday

1) " Dynamics of high energy electron fluxes in Earth's radiation belts during geomagnetic storms 17-18.03.2015 u 22-23.06.2015"

Evgeniia A. Beresneva, Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University
Moscow, Russia

2) "Ion heating on the poleward moving of the auroral oval polar boundary"

Dmitry V. Chugunin, Space Research Institute of RAS
Moscow, Russia

3) "Nonlinear Interaction of Wave Processes in the Middle and Upper Atmosphere"

Veronika S. Grach, Institute of Applied Physics RAS
Nizhny Novgorod, Russia

4) "Magnetic Substorms under Different Structures of the Solar Wind "

Irina V. Despirak, Polar Geophysical Institute
Apatity, Russia

5) " Comparative study of the influence of different ionospheric disturbances on the GPS scintillations at high latitudes "

Vladimir B. Belakhovsky, Polar Geophysical Institute
Apatity, Russia

6) "Dependence of Energetic Proton Precipitation Equatorward of the Isotropy Boundary on Geomagnetic Activity"

Nadezhda V. Semenova, Polar Geophysical Institute
Apatity, Russia

7) "HF propagation parameters in the Arctic region during sub-storms"

Maria A. Sergeeva, SCiESMEX, LANCE, Instituto de Geofisica, Unidad Michoacan, Universidad Nacional Autonoma de Mexico
Morelia, Michoacan, Mexico

8) "The effect of the solar flare on September 2017"

Irk I. Shagimuratov, West Department of Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation RAS
Kaliningrad, Russia

9) "The Effect of Total Solar Eclipse of August 21, 2017 in the Total Electron Content over America"

Irk I. Shagimuratov, West Department of Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation RAS
Kaliningrad, Russia

10) "Influence of the Ionosphere to GLONASS/GPS Positioning during Geomagnetic Storms"

Irk I. Shagimuratov, West Department of Pushkov Institute of Terrestrial Magnetism,
Ionosphere and Radio Wave Propagation RAS
Kaliningrad, Russia

11) "Oblique Sounding Ionogram Simulation for HF Ray Traces over Siberian and Far Eastern regions"

Elizabeth R. Somina, Immanuel Kant Baltic Federal University
Kaliningrad, Russia

12) "Numerical simulation of wave propagation from atmospheric pressure variations registered with the microbarographs net in Moscow and environs"

Alexandr G. Yahnin, Polar Geophysical Institute
Apatity, Russia

13) "The EMF in the Stuart-Tolman Experiment"

Vladimir L. Bychkov, Lomonosov Moscow State University
Moscow, Russia

14) "Interaction of Long-Living Plasma Formations with the Earth Surface"

Vladimir L. Bychkov, Lomonosov Moscow State University
Moscow, Russia

15) "Noise electromagnetic radiation flare"

Leonid S.Chudnovskiy, Open Joint-stock Company "Research-and-Production Corporation "Precision System and Instruments"
Moscow, Russia