



## PROGRAMME

Registration, poster section and tea-breaks will take place in the poster-hall

All sessions, official opening and closure will take place in the room 200

# Monday, May, 2

09.00-11.00 - Registration  
11.00-11.30 - Official opening

## Section 'Exoplanets'

- 12.00-12.40 **Siegfried Franck** (*Potsdam Institute for Climate Impact Research, Potsdam, Germany*) *Diurnal habitability of frozen worlds (invited)*
- 12.40-13.20 **James Jenkins** (*Universidad de Chile, Santiago, Chile*) *Dissecting precision radial-velocities: searching for planets in Chile (invited)*
- 13.20-14.00 **tea-break**
- 14.00-14.15 **Nadia Kostogryz**, T.M. Yakobchuk, A.P. Vidmachenko (*Main Astronomical Observatory of NAS of Ukraine*) *The causes of the polarization for the transiting exoplanetary system HD189733 (12+3)*
- 14.15-14.30 **Michael Barynov** (*Sternberg Astronomical Institute, Moscow State University, Moscow, Russia*) *Search and investigation of extrasolar planets with high-precision deconvolution-based photometry (12+3)*
- 14.30-14.45 **Grygorii Polinovskyi**, Ya. Pavlenko (*Main Astronomical Observatory of NASU, Kyiv, Ukraine*) *New astrophysical database of the NH<sub>3</sub> molecule properties (12+3)*

## Section 'Solar System'

- 14.45-15.00 **Kateryna Frantseva**, A.M. Kazantsev (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Correction of asteroid Apophis orbit to prevent it possible collisions with the Earth (12+3)*
- 15.00-15.15 **Anton Pomazan**, A.V. Ivantsov (*Research Institute "Nikolaev Astronomical Observatory", Mykolaiv, Ukraine*) *The influence of Yarkovsky and YORP effects on dynamical evolution of asteroids (12+3)*
- 15.15-15.30 **Sergii Zaitsev**, N. Kiselev, V. Rosenbush (*Main Astronomical Observatory of NAS of Ukraine, Kyiv, Ukraine*) *Polarimetry of the Galilean satellites near opposition (12+3)*
- 15.30-15.35 **Andrei Klianchin** (*Main Astronomical Observatory of NAS of Ukraine, Kyiv, Ukraine*) *The tectonic structure of the Jupiter satellite - Europa (poster)*
- 15.35-15.40 **Alexander Baransky**, Yu.M. Krugly, V.O. Ponomarenko, K.I. Churyumov, I.E. Molotov (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Photometry of asteroids at the observational station of Kyiv National Shevchenko University in the village Lisnyky (poster)*
- 15.40-15.45 **Julia Andrienko**, V. Reshetnyk (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Electronic catalogue of the physical characteristics of comets (poster)*
- 15.45-15.50 **Vasyl Ponomarenko**, K.I. Churyumov, O.R. Baransky, V.V. Kleshchonok, L.S. Chubko (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Peculiarities of spectra of comet 81P/Wild on 28/29 March and 2/3 April 2010 (poster)*

## Section 'Computers in Astronomy'

- 15.50-16.05 **Leonid Zotov** (*Sternberg Astronomical Institute, Moscow State University, Moscow, Russia*) *Application of Multichannel singular spectrum analysis to geophysical fields and astronomical images (12+3)*

**16.05-16.20 Anastasiia Zolotukhina** (*Main Astronomical Observatory of NASU, Kyiv, Ukraine*)  
*CCD archive of observation of the MAO NAS Ukraine (12+3)*

**16.20-16.35 Alexey Sosnovsky, A.A. Shlyapnikov** (*Tavrida National V.I. Vernadsky University, Simferopol, Ukraine*) *Crimean Astrophysical Visual Observatory: spectra and photographic magnitudes of 3340 stars in Perseus catalogue by E.S. Brodskaya and P.F. Shajn. Digital catalog (12+3)*

**18.30-21.00** Excursion to the Main Astronomical Observatory of NAS of Ukraine

## Tuesday, May, 3

### Section 'Stellar Astrophysics'

**09.00-09.30 morning coffee**

**09.30-09.45 Anastasia Isaeva** (*Sternberg Astronomical Institute, Moscow State University, Moscow, Russia*) *On selection effects in catalogues of binary stars (12+3)*

**09.45-10.00 Anna Punanova, A.A. Popov, V.V. Krushinsky, A.V. Loktin** (*A.M. Gorky Ural State University, Yekaterinburg, Russia*) *CCD VRI photometry of the old open cluster NGC 7142 (12+3)*

**10.00-10.15 Natallia Sudnik** (*Institute of Astronomy, Saint-Petersburg State University, Saint-Petersburg, Russia*) *Smooth time variation spectra as a tool to study the line profile variability in spectra of hot stars (12+3)*

**10.15-10.30 Mykola Malygin, Ya.V. Pavlenko** (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Abundances determination in hosting solar-like stars (12+3)*

**10.30-10.45 Oleksiy Ivanyuk, Ya.V. Pavlenko** (*Main Astronomical Observatory of NASU, Kyiv, Ukraine*) *Neutral iron abundance in the fast rotating star PZ Telescopium A (12+3)*

**10.45-11.15 tea-break**

**11.15-11.55 Ivan Andronov** (*Odessa National Maritime University, Odessa, Ukraine*) *Period variations of interacting binary and pulsating stars: physical mechanisms vs. mathematical modeling (invited lecture)*

**11.55-12.10 Vitalii Breus, I.L. Andronov, T. Hegedus** (*Odessa National Maritime University, Odessa, Ukraine*) *Two-period variability of the intermediate polar FO Aqr (12+3)*

**12.10-12.25 Karolina Bakowska, A. Olech** (*Astronomical Observatory of A. Mickiewicz University, Poznan, Poland*) *Catalysmic binary stars on small telescopes (12+3)*

**12.25-12.40 Natalia Virnina, I.L. Andronov, M.V. Mogorean, S. Zola** (*Odessa National Maritime University, Odessa, Ukraine*) *The seasonal changes of the binary system WZ Crv (12+3)*

**12.40-12.55 Maxim Kuznetsov** (*Main Astronomical Observatory of NAS of Ukraine, Kyiv, Ukraine*) *Spectral investigations of CM Draconis - new results (12+3)*

**12.55-13.10 Svitlana Artemenko** (*Crimean Astrophysical Observatory, Nauchny, Ukraine*) *Accretion powered chromospheres in classical T Tauri stars (12+3)*

**13.10-13.15 Andrew Simon, N.V. Metlova** (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Photometric Monitoring of Some Be/X-ray Binaries (poster)*

**13.15-13.20 Sergey Belan, D.N. Shakhovskoy, K.N. Grankin, S.A. Lamzin, A. Dodin** (*Crimean Astrophysical Observatory, Nauchny, Ukraine*) *Photopolarimetry of RW Aur: unusual light minimum due to obscuration by circumstellar dust (poster)*

- 13.20-13.25 Andrey Dolgov**, A.A. Shlyapnikov (*Tavrida National V.I. Vernadsky University, Simferopol, Ukraine*) *The study of stars from the catalog GTS 10 by archival observations of the Crimean Astrophysical Observatory* (**poster**)
- 13.25-13.30 Sviatoslav Smerechynskyi**, M.V. Vavrukh, N.L. Tyshko (*Ivan Franko National University of Lviv, Lviv, Ukraine*) *Inverse task in degenerated dwarfs theory* (**poster**)
- 13.30-13.35 Elena Nikitina**, I.F. Malov (*Pushchino State University; Pushchino Radio Astronomy Observatory, Lebedev Physical Institute, Pushchino, Russia*) *On the structure of pulsar magnetosphere* (**poster**)
- 13.35-13.40 Dmitry Chulkov** (*Sternberg Astronomical Institute, Moscow State University, Moscow, Russia*) *On statistical distributions of wide binary stars* (**poster**)
- 13.40-13.45 Nikolay Pit**, K.A. Antonyuk (*Crimean Astrophysical Observatory, Nauchny, Ukraine*) *The photopolarimetric observations of a unique minimum of UX Ori* (**poster**)
- 14.00-15.00 lunch**
- 15.00-18.30 City tour**
- 19.30-22.00 Kyiv by night** (walking tour)

## Wednesday, May, 4

### Section 'Extragalactic Astrophysics'

- 09.00-09.30 morning coffee**
- 09.30-09.45 Roman Uklein**, D.I. Makarov (*Special Astrophysical Observatory of RAS, Nizhny Arkhyz, Russia*) *Obsevation of groups of dwarf galaxies. First Results* (**12+3**)
- 09.45-10.00 Daria Dobrycheva**, O.V. Melnyk (*Taras Shevchenko Chernigiv National Pedagogical University, Chernigiv, Ukraine*) *Criteria for galaxy classification in SDSS* (**12+3**)
- 10.00-10.15 Maryna Mykhailova** (*Institute of Radio Astronomy of NAS of Ukraine, Kharkiv, Ukraine*) *X-ray emission of kiloparsec jets at large redshift* (**12+3**)
- 10.15-10.55 Yakiv Pavlenko** (*Main Astronomical Observatory of NASU, Kyiv, Ukraine*) *Spectra and abundances of hosting stars and exoplanets* (**invited lecture**)
- 10.55-11.25 tea-break**
- 11.25-11.55 Bidzina Kapanadze** (*Ilia State University, E. Kharadze Abastumani National Astrophysical Observatory, Tbilisi, Georgia*) *X-ray selected BL Lacertae objects: statistical properties and complete catalogue* (**invited lecture**)
- 11.55-12.10 Kateryna Agiienko**, Yu.I. Izotov (*Main Astronomical Observatory of NASU, Kyiv, Ukraine*) *WR-galaxies from Sloan Digital Sky Survey Data Release 7* (**12+3**)
- 12.10-12.25 Igor Zinchenko**, L.S. Pilyugin (*Main Astronomical Observatory of NASU, Kyiv, Ukraine*) *Oxygen and Nitrogen abundances in Cool HII regions from the Sloan Digital Sky Survey* (**12+3**)
- 12.25-12.40 Ganna Ivashchenko**, O. Sergijenko (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *The UV spectral properties of quasars from SDSS DR7* (**12+3**)
- 12.40-12.45 Irina Lypova** (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *The relation "line width - luminosity" for HII galaxies* (**poster**)

**12.45-12.50 Anatoliy Vasylenko**, A.V. Tugay (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) X-ray emission of galaxies without active nuclei (**poster**)

**12.50-12.55 Stanislav Shihov**, A.V. Tugay (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Surface brightness profiles of Seyfert galaxies (**poster**)

**13.00-14.00 lunch**

## Section 'Gravitation & Cosmology'

**14.00-14.30 Yuri Shtanov** (*Bogolyubov Institute for Theoretical Physics, Kyiv, Ukraine*) What we do not understand about our Universe (**invited lecture**)

**14.30-15.00 Antonino Del Popolo** (*Catania University, Catania, Italy*) On the non universality of surface density of galaxies (**invited lecture**)

**15.00-15.15 Tomasz Kazmierczak** (*Centre for Astronomy of Nicolaus Copernicus University, Toruń, Poland*) The shape and the size of the Universe according to the Poincare Dodecahedral Space hypothesis (**12+3**)

**15.15-15.30 Olga Sergijenko**, B. Novosyadlyj, R. Durrer (*Astronomical Observatory of the Ivan Franko National University of Lviv, Lviv, Ukraine*) Observational constraints on scalar field models of dark energy with barotropic equation of state (**12+3**)

**15.30-15.45 Iurii Babyk**, A. Elyiv, O. Melnyk, V.N. Krivodubskij (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Dark matter and intracluster gas distribution in galaxy clusters (**12+3**)

**15.45-16.05 tea-break**

**16.05-16.20 Ali Azizi**, N. Fatahi (*Islamic Azad University, Sanandaj Branch, Sanandaj, Iran*) Quantization of spinor field in Krein space (**12+3**)

**16.20-16.25 Nikita Lovyagin** (*Saint Petersburg State University, Saint-Petersburg, Russia*) Project of program package for exploring of cosmological fractals (**poster**)

**16.25-16.30 Vitaliy Slyusar**, V.I. Zhdanov (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Microlensing of an extended source by binary microlenses (**poster**)

**16.30-16.35 Violetta Sagun**, Yu.I. Izotov (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) The primordial abundance determination of  $^4\text{He}$ , including new data on systematic effects (**poster**)

**16.35-16.40 Olga Vasylenko**, G. Ivashchenko (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) The angular correlation function of photometrically classified quasars from SDSS NBCKDE Catalogue (**poster**)

**16.40-16.55 Margaryta Sobolenko**, P.P. Berczik (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Post-Newtonian test simulations of the merging super-massive black hole binaries (**12+3**)

**16.55-17.00 Artem Bogdan**, B.I. Hnatyk (*G.V. Kurdyumov Institute of Physics of Metals of NASU, Kyiv, Ukraine*) Calculation of orbital motion in binary systems of black holes on the example of a quasar OJ287 (**poster**)

**17.45-22.00 Organ hall / opera hall / etc.**

# Thursday, May, 5

## Section 'High-Energy Astrophysics & Astroparticle Physics'

09.00-09.30 morning coffee

09.30-09.45 **Volodymyr Marchenko**, B. Hnatyk (*Taras Shevchenko Chernigiv National Pedagogical University, Chernigiv, Ukraine*) The possibility of detection of relativistic shock break-out at the surface of Hypernova (12+3)

09.45-10.00 **Oleksandr Sushchov**, O.O. Kobzar, B.I. Hnatyk, V.V. Marchenko, T.M. Bohdan (*Taras Shevchenko Chernigiv National Pedagogical University, Chernigiv, Ukraine*) Centaurus A as a plausible source of ultra high energy cosmic rays events registered by the Pierre Auger Observatory (12+3)

10.00-10.15 **Oleh Kobzar**, O.B. Sushchov, B.I. Hnatyk, V.V. Marchenko, T.M. Bohdan (*Taras Shevchenko Chernigiv National Pedagogical University, Chernigiv, Ukraine*) The influence of galactic magnetic field on the propagation of the ultrahigh energy cosmic rays from Virgo A (12+3)

10.15-10.30 **Vasyl Beshley**, O.L. Petruk (*Institute for Applied Problems in Mechanics and Mathematics, Lviv, Ukraine*) Hadronic gamma-rays emission of supernova remnants (12+3)

10.30-11.00 tea-break

11.00-11.40 **Radomir Smida** (*Karlsruhe Institute of Technology, Eggenstein-Leopoldshafen, Germany*) The results from the Pierre Auger Observatory (invited lecture)

11.40-11.55 **Dmytro Rogozin** (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Nonthermal radiation of superconducting cosmic strings (12+3)

11.55-12.10 **Dmytro Iakubovskiy**, D. Malyshev, A. Boyarsky, O. Ruchayskiy (*Bogolyubov Institute for Theoretical Physics, Kyiv, Ukraine*) How to find a dark matter decay line (12+3)

12.10-12.25 **Denys Malyshev**, M. Chernyakova, F.A. Aharonian, R.M. Crocker, D.I. Jones (*Bogolyubov Institute for Theoretical Physics, Kyiv, Ukraine; Dublin Institute for Advanced Studies, Dublin, Ireland*) The high-energy, arcminute-scale galactic center gamma-ray source (12+3)

12.25-12.40 **Ievgen Vovk**, A. Neronov (*ISDC Data Centre for Astrophysics, Versoix, Switzerland*) Fast variability of  $\gamma$ -ray emission from supermassive black hole binary OJ 287 (12+3)

12.40-12.55 **Elina Ismailova**, S.A. Grebenev (*National Nuclear Research University & Space Research Institute, Moscow, Russia*) Discovery with INTEGRAL and follow-up investigation of new transient X-ray sources IGR J17473-2721 and IGR J17419-2802 (12+3)

12.55-13.00 **Ekaterina Sukach**, V. Marchenko (*Taras Shevchenko Chernigiv National Pedagogical University, Chernigiv, Ukraine*) X-ray image and spectral analysis of AGN jets (poster)

13.00-13.05 **Iryna Komok**, V. Marchenko, M. Prus (*Taras Shevchenko Chernigiv National Pedagogical University, Chernigiv, Ukraine*) The image and spectral analysis of the hot spots in AGN jets (poster)

13.05-13.10 **Denis Sokolov**, V. Marchenko (*Taras Shevchenko Chernigiv National Pedagogical University, Chernigiv, Ukraine*) The transverse structure of AGN jets from radio and X-ray data (poster)

13.10-13.15 **Demid Pekur**, V. Marchenko, B.I. Hnatyk (*Taras Shevchenko Chernigiv National Pedagogical University, Chernigiv, Ukraine*) Neutrinos and gamma-rays from Hypernova explosion (poster)

**13.15-13.20 Taras Kuzyo, O. Petruk** (*Ivan Franko National University of Lviv, Lviv, Ukraine*)  
*Properties of interstellar medium and magnetic field around Tycho SNR (poster)*

**13.30-14.30 lunch**

### Section 'Interstellar Medium'

**14.30-15.00 Bogdan Wszolek** (*Jan Długosz Academy, Institute of Physics, Częstochowa, Poland*)  
*Spectroscopic families among diffuse interstellar bands (invited lecture)*

**15.00-15.15 Paweł Dobierski** (*Centre for Astronomy of Nicolaus Copernicus University, Toruń, Poland*)  
*Correlation between interstellar atomic lines (12+3)*

**15.15-15.30 Maryana Sokil, B.Ya. Melekh, V.V. Holovatyy** (*Ivan Franko National University of Lviv, Lviv, Ukraine*)  
*Chemical composition of planetary nebulae in magellanic clouds (12+3)*

**15.30-15.45 Roman Korytko, B.Ya. Melekh, V.V. Holovatyy** (*Ivan Franko National University of Lviv, Lviv, Ukraine*)  
*Determination of energy distribution in ionizing radiation spectrum of Orion Nebula (12+3)*

**15.45-16.00 Ruslana Kozel, B.Ya. Melekh, I.O. Koshmak** (*Ivan Franko National University of Lviv, Lviv, Ukraine*)  
*Photoionization modelling of stellar wind bubbles surrounding starburst regions (12+3)*

**16.00-16.30 tea-break**

**16.30-16.45 Oleg Buhajenko, B.Ya. Melekh** (*Ivan Franko National University of Lviv, Lviv, Ukraine*)  
*The diffuse component of the radiation ionization field in the nebular objects (12+3)*

**16.45-16.50 Julita Ozga, Łukasz Janik, B. Wszolek** (*Częstochowa University of Technology, Częstochowa, Poland*)  
*Diffuse interstellar bands towards  $\xi$  Persei (poster)*

**16.50-16.55 Agnieszka Debudej, B. Wszolek** (*Polskie Towarzystwo Miłośników Astronomii, Częstochowa, Poland*)  
*Narrow interstellar absorption lines in oPer direction (poster)*

**16.55-17.00 Sylwia Kusiak, B. Wszolek** (*Polskie Towarzystwo Miłośników Astronomii, Częstochowa, Poland*)  
*Broad diffuse interstellar bands in the direction of HD23180 (poster)*

**17.00-17.05 Agnieszka Kuźmicz, B. Wszolek** (*Jagiellonian University Astronomical Observatory, Kraków, Poland*)  
*Interstellar spectral features and telluric absorption lines (poster)*

**17.05-17.10 Anna Karnaushenko** (*Institute of Radio Astronomy of NASU, Kharkiv, Ukraine*)  
*Analytical Solution of Kompaneets equation (poster)*

### Section 'Astronomical Equipment'

**17.10-17.25 Aleksander Kurek** (*Institute of Physics, Opole University, Opole, Poland*)  
*"Solaris" — a professional astronomical observatory on the roof of a hypermarket (12+3)*

**17.25-17.30 Roman Esselbakh, Stanislav Melkov** (*Donbass State Technical University, Alchevsk, Ukraine*)  
*The shaper of a time mark for laser ranging of the Earth artificial satellites (poster)*

**17.30-17.35 Serhii Pokhvala** (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*)  
*Photometry with the help of digital camera Canon 350D (poster)*

**19.30-22.00 Conference dinner**

# Friday, May, 6

## Section 'Solar Physics and Heliosphere'

09.00-09.30 morning coffee

09.30-09.45 **Anastasiya Boiko**, V.N. Melnik, A.A. Konovalenko, E.P. Abranin, V.V. Dorovskyy, H.O. Rucker (*Institute of Radio Astronomy of NASU, Kharkiv, Ukraine*) Decametric radio bursts associated with the 13 July 2004 CME event at frequencies 10-30 MHz (**12+3**)

09.45-10.00 **Ievgeniia Sadovenko**, M.I. Pishkalo (*Astronomical Observatory, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Calculation and visualisation of coronal magnetic field during 1997, 2006 and 2008 total Solar eclipses (**12+3**)

10.00-10.15 **Olexandra Baran** (*Astronomical Observatory of Ivan Franko National University of Lviv, Lviv, Ukraine*) Observed photosphere convection on different spatial scales (**12+3**)

10.15-10.30 **Artem Koval**, A.A. Stanislavsky, A.A. Konovalenko (*Institute of Radio Astronomy of NASU, Kharkiv, Ukraine*) New developments of UTR-2 working modes: two-dimensional heliograph (**12+3**)

10.30-11.05 tea-break

11.05-11.10 **Antonina Klyueva**, V.G. Lozitsky (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Comparison of magnetic fields in a sunspot measured by five spectral lines with different Lande factors (**poster**)

11.10-11.15 **Olga Botygina**, V.G. Lozitsky (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Strong magnetic fields measured in solar prominences by D3 and H $\alpha$  lines (**poster**)

11.15-11.20 **Iryna Prunchak**, N.L. Tyshko (*Ivan Franko National University of Lviv, Lviv, Ukraine*) Analytical calculation of absorption line profiles for deformed normal distribution (**poster**)

11.20-11.25 **Valery Kryvodubskyj**, Ie. Sadovenko. (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) On the extended 23rd solar cycle (**poster**)

11.25-11.40 **Olga Katushkina**, V.V. Izmodenov (*Lomonosov Moscow State University, Moscow, Russia*) Interstellar hydrogen atoms inside the heliosphere: theoretical search of the heliospheric boundary effects (**12+3**)

11.40-11.55 **Valentyn Bovchaliuk**, O. Agapitov (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Source of the periodic perturbation in the Solar wind plasma (**12+3**)

11.55-12.00 **Sergey Sergeev** (*Pushchino Radio Astronomy Observatory, FIAN, Pushchino, Russia*) The dynamic spectrum of scintillating radio sources (**poster**)

12.00-12.05 **Anastasiya Knurenko** (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Some plasma aspects of solar-terrestrial relations (**poster**)

12.05-12.45 **Vladimir Busarev** (*Sternberg Astronomical Institute, Moscow, Russia*) Spectrophotometry of asteroids and some results of it (**invited lecture**)

13.00-14.00 lunch

## Section 'Atmospheric Studies and Space Geophysics'

14.00-14.45 **Georgii Lizunov** (*Space Research Institute of NASU-NSAU, Kyiv, Ukraine*) Satellite missions for ionosphere exploration in Ukraine: from "Warning" to "Ionosat" (**invited lecture**)



- 14.45-15.00 Olga Mikhailova**, D.Yu. Klimushkin, P.N. Mager (*Institut of Solar-Terrestrial Physics, Irkutsk, Russia*) *Pc1-pulsations: the parallel structure in the plasma with the admixture of the heavy ions (12+3)*
- 15.00-15.15 Maxim Chelpanov**, N.A. Zolotukhina (*Institut of Solar-Terrestrial Physics, Irkutsk, Russia*) *Subauroral heliosphere-heosphere coupling during November 2004 ionospheric storms: F2-region, North-East Asia (12+3)*
- 15.15-15.45 tea-break**
- 15.45-16.00 Sergey Cheremnykh**, O.V. Agapitov (*Space Research Institute of NASU-NKAU, Kyiv, Ukraine*) *MHD modes coupling in the plasma system with dipole magnetic field (12+3)*
- 16.00-16.15 Alexander Tsupko**, L.V. Kozak (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Analysis of turbulent processes in the boundary layers of Earth's magnetosphere (12+3)*
- 16.15-16.30 Dmitriy Mendzhul**, O.V. Agapitov (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Chorus wave peculiarities in the inner magnetosphere: numerical simulation results (12+3)*
- 16.30-16.45 Oleksandr Shuyenko**, L.V. Kozak (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Features of electrical field of the Earth atmosphere (12+3)*
- 16.45-17.00 Vitaliy Zhaborovskyy**, V.Ya. Choliy (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Earth's atmospheric parameters estimation from low artificial satellites laser ranging data (12+3)*
- 17.00-17.15 Anatolii Koval**, V.Ya. Choliy (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Model issue on ionospheric tomography based upon GNSS satellites (12+3)*
- 17.15-17.30 Andrew Prokhorenkov**, V.Ya. Choliy (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Parametric modeling of global TEC fields (12+3)*
- 17.30-17.35 Dmytro Saliuk**, O.V. Agapitov (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Magnetized Rossby waves in mid-latitude ionosphere F-layer (poster)*
- 17.35-17.40 Andrii Voshchepynets**, O.V. Agapitov (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *The chorus source structure in the inner magnetosphere (poster)*
- 17.40-17.45 Sonni Setiawan** (*Department of Geophysics and Meteorology, Bogor Agricultural University, Bogor, Indonesia*) *Vertically propagating free atmospheric planetary waves (Kelvin and Rossby-Gravity waves) on an equatorial beta-plane (poster)*
- 17.45-17.50 Sandro Wellyanto Lubis**, S. Setiawan (*Department of Geophysics and Meteorology, Bogor Agricultural University, Bogor, Indonesia*) *Theoretical simulation of free atmospheric planetary waves on an equatorial beta-plane (poster)*
- 17.50-18.30 Poster Section + Tea-break**
- 18.30-19.00 Official closure**

## Saturday, May, 7

**08.30-12.00** Excursions to Kyiv-Pechersk Lavra

**13.00-15.00** Museum of Folk Architecture and Life of Ukraine