



## PROGRAMME

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

All morning sessions will take place in the room 209; all evening sessions, official opening and closure will take place in the room 200

### Monday, April 23

09.00-12.00 - Registration

12.30-13.00 - Official opening

#### Section 'Exoplanets'

*Chairman: N. Kostogryz*

13.00-13.40 **David Pinfield** (*University of Hertfordshire, Hatfield, UK*) Understanding ultra-cool atmospheres - sub-stellar objects with temperatures from 300-2300K (**invited**)

13.40-14.20 **Michael Mishchenko** (*NASA Goddard Institute for Space Studies, New York, USA*) Opposition optical phenomena in planetary astrophysics (**invited**)

14.20-14.50 tea-break

14.50-15.05 **Avril Day-Jones, F. Marocco, D. J. Pinfield et al.** (*Universidad de Chile, Santiago, Chile*) The sub-stellar birthrate from the UKIDSS survey (**12+3**)

15.05-15.20 **Olga Zakhzhay** (*Main Astronomical Observatory of NAS of Ukraine, Kyiv, Ukraine*) Circumsubstellar disks SED in dependence of system parameters (**12+3**)

**15.20-15.35** **Kateryna Frantseva**, N. M. Kostogryz, T. M. Yakobchuk (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Polarimetric effects simulation for HD 189733 (**12+3**)

**15.35-15.50** **Yana Shliakhetskaya**, Yu. Kuznyetsova. (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Spectral studies of the transit system HD 189733 (**12+3**)

**15.50-16.20** tea-break

## Section ‘Solar System’

*Chairman: N. Kostogryz*

**16.20-16.35** **Damian Puchalski**, G. Maciejewski (*Toruń Centre for Astronomy of Nicolaus Copernicus University, Toruń, Poland*) Transit of Venus and determination of the astronomical unit (**12+3**)

**16.35-16.50** **Ivan Slyusarev**, V. G. Shevchenko, I. N. Belskaya, Yu. N. Krugly, V. G. Chiorny (*Astronomical Institute of Kharkiv V. N. Karazin National University, Kharkiv, Ukraine*) Revising of Jupiter Trojans albedos, sizes and densities (**12+3**)

**16.50-17.05** **Irina Tielieusova**, D. F. Lupishko (*Astronomical Institute of Kharkiv V. N. Karazin National University, Kharkiv, Ukraine*) Influence of the YORP-effect on axis rotation of near-earth asteroids (**12+3**)

**17.05-17.20** **Ömer Uysal**, S. Kaynar, M. Helvacı, Z. Eker (*Tübitak National Observatory, Antalya, Turkey*) Analysis of astrometric observations of (4558) Janesick asteroid made at T100 telescope of TUG (**12+3**)

**17.20-17.25** **Sergii Zaitsev**, N. Kiselev, V. Rosenbush, F. Velicko, S. Kolesnikov, K. Antonyuk (*Main Astronomical Observatory of NAS of Ukraine, Kyiv, Ukraine*) Polarimetric observations of the Galilean satellites near opposition in 2011 (**poster**)

**17.25-17.30** **Oleksiy Matsiaka**, Yu. G. Kuznetzova (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Study of long- and short-periodic variations in Uranus spectra (**poster**)

**17.30-17.35** **Edyta Popławska** (*Toruń Centre for Astronomy of Nicolaus Copernicus University, Toruń, Poland*) The chemical composition of Titan’s atmosphere (**poster**)

**17.35-17.40** **Ait Moulay Larbi El Mamoun**, D. Baratoux, Z. Benkhaldoun, A. Daassou, S. Bouley (*Université Cadi Ayyad, Marrakech, Morocco*) Observation of impact flashes on the Moon (**poster**)

**17.40-17.45** **Olena Shubina**, P. P. Korsun (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Low-resolution spectrum of comet C/2004Q2(Machholz) (**poster**)

**17.45-17.50** **Vasiliy Ponomarenko**, K. I. Churyumov, V. V. Kleshchonok, O. R. Baransky (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Fluorescent cometary continuum in spectra of comets 81P/Wild 2, 103P/Hartley 2, C/2009 K5 (McNaught) and some physical parameters of these comets (**poster**)

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

## Tuesday, April 24

**09.00-09.30** morning coffee

## Section ‘Extragalactic Astrophysics’

*Chairman: Ie. Vovk*

**09.30-09.45** **Kateryna Agiienko** (*Main Astronomical Observatory of NAS of Ukraine, Kyiv, Ukraine*) Nebular HeII  $\lambda 4686$  in Wolf-Rayet galaxies from SDSS (**12+3**)

**09.45-10.00** **Solohery Randriamampandry** (*University of the Western Cape & South African Astronomical Observatory, Cape Town, South Africa*) Multi-wavelength studies of star forming galaxies in the X-ray luminous clusters at  $z \sim 0.5$  (**12+3**)

- 10.00-10.05 Anahit Vardazaryan** (*Yerevan State University, Yerevan, Armenia*) Nature of intergalactic supernovae (**poster**)
- 10.05-10.10 Ani Vardanyan**, V. Adibekyan (*Byurakan Astrophysical Observatory, Byurakan, Armenia*) The chemical abundance gradient and star formation rate in the galaxy M101 (**poster**)
- 10.10-10.15 Knarik Khachatryan**, V. Adibekyan (*Byurakan Astrophysical Observatory, Byurakan, Armenia*) The spectral investigation of the WR galaxy PGC97542 (**poster**)
- 10.15-10.50 tea-break**
- 10.50-11.30 Ryszard Szczerba** (*Nicolaus Copernicus Astronomical Center, Toruń, Poland*) Dust and formation of fullerenes in Milky Way (**invited**)
- 11.30-11.45 Ievgen Vovk**, A. Neronov (*ISDC Data Centre for Astrophysics, Versoix, Switzerland*) Fast GeV variability of blazars: implications for emission region sites (**12+3**)
- 11.45-12.00 Elzbieta Kuligowska** (*Astronomical Observatory of Jagiellonian University, Kraków, Poland*) Studying the FR-II giant radio galaxies with modified KDA model (**12+3**)
- 12.00-12.15 Daniela-Adriana Lacatus, Alin Razvan Paraschiv**, O. Tesileanu (*Research Center for Atomic Physics and Astrophysics, University of Bucharest, Magurele - Ilfov, Romania*) Simulating peculiar X-shaped extragalactic radio sources (**12+3**)
- 12.15-12.30 Margaryta Sobolenko**, P. Berczik (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Post-Newtonian test simulations of the dynamical evolution of the super-massive black hole binaries (**12+3**)
- 12.30-12.35 Olena Torbaniuk**, G. Ivashchenko, O. Sergijenko (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Some spectral properties of the quasar UV bump (**poster**)
- 12.35-12.40 Agnieszka Kuzmicz**, J. Marek (*Astronomical Observatory of the Jagiellonian University, Krakow, Poland*) Central black holes in giant radio quasars (**poster**)
- 12.40-12.45 Anatolij Vasylenko** (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Determination of parameters of the active nucleus in NGC 1194 galaxy (**poster**)
- 12.45-12.50 Nadiia Pulatova**, I. B. Vavilova (*Crimean Astrophysical Observatory, Nauchny, Ukraine*) General properties of AGN in pairs and isolated AGN from 2MIG Catalog (**poster**)
- 12.50-12.55 Tahmoures Toliat Kashani, Sarah Fazlollah Pour**, S. Arbabi-Bidgoli (*Ferdowsi University of Mashhad, Tehran, Iran*) Extraction of the number density of galaxies in the Ga-BoDs data using the KSB method (**poster**)
- 13.00-13.50 lunch**

## Section ‘Cosmology’

*Chairman: G. Ivashchenko*

- 14.00-14.15 Ia Kochiashvili**, J. Fynbo, W. Freudling, P. Møller (*DARK Cosmology Centre, Copenhagen, Denmark*) On the nature of interlopers in deep narrow-band searches for  $z > 7$  galaxies (**12+3**)
- 14.15-14.30 Ganna Ivashchenko** (*Astronomical Observatory of Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Mean transmission and the transmission autocorrelation function of the Ly-alpha forest from SDSS DR7 (**12+3**)
- 14.30-14.45 Sergii Koval**, A. N. Alexandrov, V. I. Zhdanov (*National University of Kyiv-Mohyla Academy, Kyiv, Ukraine*) Critical solutions and magnification of a gravitational lens near folds and cusps (**12+3**)
- 14.45-15.00 Olga Sergijenko**, B. Novosyadlyj (*Astronomical Observatory of Ivan Franko National University of Lviv, Lviv, Ukraine*) Dark energy with barotropic equation of state: beyond the quintessential fields (**12+3**)

- 15.00-15.15 Danylo Yerokhin**, O. A. Lemets (*A. I. Akhiezer Institute of Theoretical Physics, National Scientific Center “Kharkov Institute of Physics and Technology”, Kharkiv, Ukraine*) *Transient acceleration in the models with interacting holographic dark energy in fractal cosmology (12+3)*
- 15.15-15.20 Olga Vasylenko**, G. Ivashchenko (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Angular clustering of photometrically classified quasar candidates from SDSS NBCKDE (poster)*
- 15.20-15.25 Oleg Lemets**, D. A. Yerokhin (*A. I. Akhiezer Institute of Theoretical Physics, National Scientific Center “Kharkov Institute of Physics and Technology”, Kharkiv, Ukraine*) *Dark sector interaction in fractal cosmology (poster)*
- 15.25-15.55 tea-break**

## Section ‘Astronomical Equipment and Databases’

Chairman: Ie. Vovk

- 15.55-16.10 Ivan Syniavskiy**, Y. S. Ivanov (*Main Astronomical Observatory of NAS of Ukraine, Kyiv, Ukraine*) *The Stokes polarimeter for a small telescope (12+3)*
- 16.10-16.25 Aleksander Kurek** (*Solaris Center Observatory, Opole, Poland*) *Properties of Supernovae Ia from SDSS galaxy spectra (12+3)*
- 16.25-16.30 Sergii Pokhvala**, B. E. Zhilyaev, V. M. Reshetnyk (*Main Astronomical Observatory of NAS of Ukraine, Kyiv, Ukraine*) *High-speed multicolor photometry with a CMOS receivers (poster)*
- 16.30-16.35 Nikolay Pankov**, V. G. Shytov, N. F. Pankov, A. V. Belyaev (*Crimean Astrophysical Observatory, Nauchny, Crimea, Ukraine*) *The new control system of ZTSh dome (poster)*
- 16.35-16.40 Andrew Simon** (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Possibility of spectral observations at the Lisnyky observational station of AO KNU (poster)*
- 16.40-16.45 Rouhollah Joveini**, **Mojtaba Taheri**, **Soroush Sotoudeh** (*Sharif University of Technology, Tehran, Iran*) *Using THELI pipeline in order to reduce Abell 226 multi-band optical images (poster)*
- 16.45-17.00 Yuriy Fursiak** (*Crimean Astrophysical Observatory, Nauchny, Ukraine*) *Creating an electronic version of the archive of spectral observations of the Sun, held at the coronagraph KG-2 of Scientific-Research Institute “Crimean Astrophysical Observatory” (12+3)*
- 17.00-17.05 Yuriy Fursiak**, A. A. Shlyapnikov (*Crimean Astrophysical Observatory, Nauchny, Ukraine*) *On-line version of the catalog of observations of areas along the route of comet Liller (1988a) (poster)*
- 17.05-17.10 Andry Dolgov**, A. Shlyapnikov (*Taurida National V. I. Vernadsky University, Simferopol, Ukraine*) *Catalogue of over 100,000 objects in the field of 10×10 degrees with the center Right ascension 08h40m and Declination +16°10′ (poster)*
- 17.10-17.15 Anastasiia Zolotukhina** (*Main Astronomical Observatory of NAS of Ukraine, Kyiv, Ukraine*) *The database of CCD-observations obtained at the Kyiv meridian axial circle (poster)*
- 17.45-22.00** Organ hall / opera hall / etc.

## Wednesday, April 25

09.00-09.30 morning coffee

### Section 'Stellar Astrophysics'

*Chairman: O. Ivaniuk*

- 09.30-09.45 **Maxim Kuznetsov**, Ya. V. Pavlenko, M. C. Glvez-Ortiz (*Main Astronomical Observatory of NAS of Ukraine, Kyiv, Ukraine*) Dust in atmospheres of M4 – M6 dwarfs (**12+3**)
- 09.45-10.00 **Alexandra Kalashnikova**, O. V. Maryeva (*South Federal University, Rostov-on-Don, Russia*) Spectral study of HD 15570, HD 15629, HD 15558 (**12+3**)
- 10.00-10.15 **Satenik Ghazaryan**, G. A. Alecian, H. A. Harutyunyan (*Byurakan Astrophysical Observatory, Byurakan, Armenia*) On the question of detecting granulation signal in A and B star's CoRoT light curves (**12+3**)
- 10.15-10.20 **Alexandr Savushkin**, A. A. Shlyapnikov (*Crimean Astrophysical Observatory, Nauchny, Ukraine*) CCD photometry of some areas around of M45 (**poster**)
- 10.20-10.25 **Nikolay Pit** (*Crimean Astrophysical Observatory, Nauchny, Ukraine*) Physical parameters and variable stars in the open stellar cluster Berclley 86 (**poster**)
- 10.25-10.30 **Sergey Zubarev**, E. V. Shayapin, L. M. Martyushev (*Ural Federal University, Yekaterinburg, Russia*) Statistical analysis of the thermophysical quantities of star clusters (**poster**)
- 10.30-10.35 **Iuliia Tsykaliuk**, V. Choliy (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Ogorodnikov – Milne model parametr for analysing of PPMXL catalogue (**poster**)
- 10.35-10.40 **Anna Medvedeva**, L. G. Lukyanov, S. A. Gasanov (*Sternberg Astronomical Institute, Moscow University, Moscow, Russia*) The motion of stars in close binary systems with conservative mass exchange (**poster**)
- 10.40-11.20 **Eduardo Martin** (*Centro de Astrobiologia, Torrejón de Ardoz, Spain*) Planet formation in the context of galaxy and star formation (**invited**)
- 11.20-11.50 tea-break
- 11.50-12.30 **Nino Chkheidze** (*Ilia State University, Tbilisi, Georgia*) Anomalous pulsars and magnetars (**invited**)
- 12.30-12.45 **Sviatoslav Smerechynskiy**, M. V. Vavruk, N. L. Tyshko (*Ivan Franko National University of Lviv, Lviv, Ukraine*) The inverse problem in the theory of degenerate dwarfs in the frame of two-phase model (**12+3**)
- 12.45-13.00 **Vitaly Breus**, I. L. Andronov (*Odessa National Maritime University, Odessa, Ukraine*) Period variations of the intermediate polar EX Hya (**12+3**)
- 13.00-13.15 **Maxim Gabdeev**, N. V. Borisov, V. L. Afanasiev, V. V. Shimanskiy (*Special Astrophysical Observatory of RAS, Nizhnij Arkhyz, Russia*) Study of the new polar USNO-A2.0 0825-18396733 in optical range (**12+3**)
- 13.15-13.20 **Alexey Sosnovsky**, E. Pavlenko (*Crimean Astrophysical Observatory, Nauchny, Ukraine*) Cataclysmic variable Star 1RXJ003828. Discovering the eclipse. Physical characteristic (**poster**)
- 13.20-13.25 **Elena Nikitina**, I. F. Malov (*Pushchino Radio Astronomy Observatory, Pushchino, Russia*) The distribution of areas of radiation generation at the different frequencies in the pulsar magnetospheres (**poster**)
- 13.25-13.40 **Anastasiya Boiko**, A. A. Konovalenko, V. L. Kolyadin, V. N. Melnik (*Institute of Radio Astronomy of NAS of Ukraine, Kharkiv, Ukraine*) Search of the radio emission from flare stars at decameter wavelengths (**12+3**)

- 13.40-13.55 Paulina Karczmarek** (*Toruń Centre for Astronomy of Nicolaus Copernicus University, Toruń, Poland*) *Eclipsing Binary pulsating stars – new evolutionary channel to create RR Lyr-like pulsations (12+3)*
- 13.55-14.10 Sergey Belan**, D. N. Shakhovskoi, V. I. Shenavrin (*Crimean Astrophysical Observatory, Nauchny, Ukraine*) *Long-term photometric activity of RR Tau in visual and near-infrared (12+3)*
- 14.10-14.25 Damian Jableka**, S. Zola, B. Zakrzewski (*Astronomical Observatory of Jagiellonian University, Kraków, Poland*) *Period changes of the sample of chromospherically active eclipsing binaries (12+3)*
- 14.25-14.40 Krystian Ikkiewicz** (*Toruń Centre for Astronomy of Nicolaus Copernicus University, Toruń, Poland*) *Photometric observations of Epsilon Aurigae during the eclipse in 2009-2011 (12+3)*
- 14.40-14.45 Katarzyna Drozd**, E. Świerczyński (*Toruń Centre for Astronomy of the Nicolaus Copernicus University, Toruń, Poland*) *V407 Cyg nova-like outburst (poster)*
- 15.00-15.50 lunch**
- 16.00-19.00 City tour** (by bus)
- 19.00-23.00 Kyiv by night** (walking tour)

## Thurthday, April 26

### Section ‘High-Energy Astrophysics & Astroparticle Physics’

**09.00-09.30 morning coffee**

*Chairman: Ie. Vovk*

- 09.30-09.45 Dmytro Rogozin**, B. I. Hnatyk (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Inverse Compton radiation of superconducting cosmic strings (12+3)*
- 09.45-10.00 Iryna Lypova** (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *Investigation of gamma/electron separation methods for array of Cherenkov telescopes (12+3)*
- 10.00-10.15 Artem Bogdan**, B. I. Hnatyk, V. Marchenko (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) *The X-ray structure of extragalactic jets (12+3)*
- 10.15-10.30 Volodymyr Marchenko**, A. Bogdan (*Taras Shevchenko Chernigiv National Pedagogical University, Chernigiv, Ukraine*) *The X-ray structure analysis of jet in 3C 273 (12+3)*
- 10.30-10.45 Denis Sokolov**, K. Sukach, I. Komok, V. Marchenko (*Taras Shevchenko Chernigiv National Pedagogical University, Chernigiv, Ukraine*) *Measuring extension of sources in extragalactic jets (12+3)*
- 10.45-10.50 Gor Oganessian**, G. M. Beskin (*Southern Federal University, Rostov-on-Don, Russia*) *Afterglows of gamma-ray bursts with known redshifts (poster)*
- 10.50-11.20 tea-break**
- 11.20-12.00 Ericson Lopez** (*Quito Astronomical Observatory, Quito, Ecuador*) *A review on GRB Models (invited)*
- 12.00-12.15 Oleksandr Sushchov**, I. S. Yakymchuk, O. O. Kobzar, V. V. Marchenko, B. I. Hnatyk (*Astronomical Scientific Research Center of Taras Shevchenko Chernigiv National Pedagogical University, Chernigiv, Ukraine*) *Sources positions for UHECR events detected by the AUGER observatory (12+3)*
- 12.15-12.30 Matthias Plum** (*III. Physikalisches Institut A, Aachen, Germany*) *Searching for the sources of ultra high energy cosmic rays with a wavelet analysis (12+3)*

**12.30-12.35 Mykhailo Sydorenko**, B. I. Hnatyk, V. V. Marchenko (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Numerical simulation of the cosmic rays stochastic acceleration in relativistic blazar jet medium (**poster**)

**13.00-13.50 lunch**

## Section ‘Interstellar Medium’

*Chairman: Ie. Vovk*

**14.00-14.40 Ryszard Szczerba** (*N. Copernicus Astronomical Center, Toruń, Poland*) Water formation in envelopes of C-rich stars (**invited**)

**14.40-14.55 Vasyl Beshley**, T. Kuzyo, O. Petruk (*Institute for Applied Problems in Mechanics and Mathematics, Lviv, Ukraine*) Role of magnetic fields in evolution of adiabatic supernova remnants (**12+3**)

**14.55-15.10 Taras Kuzyo**, V. Beshley, O. Petruk (*Ivan Franko National University of Lviv, Lviv, Ukraine*) One-dimensional numerical hydrodynamical simulations of the post-adiabatic supernova remnants (**12+3**)

**15.10-15.25 Maryana Sokil**, B. Ya. Melekh, O. Sagan (*Ivan Franko National University of Lviv, Lviv, Ukraine*) Photoionization modelling of planetary nebulae in the Large Magellanic Cloud (**12+3**)

**15.25-15.40 Ihor Koshmak**, B. Ya. Melekh (*Ivan Franko National University of Lviv, Lviv, Ukraine*) The influence of stellar wind bubbles on the radiation ionizing field in HII regions (**12+3**)

**15.40-16.10 tea-break**

**16.10-16.25 Oleh Buhajenko** (*Ivan Franko National University of Lviv, Lviv, Ukraine*) Detailed method for calculation diffuse component of the radiation in nebular objects (**12+3**)

**16.25-16.30 Roman Korytko**, B. Ya. Melekh (*Ivan Franko National University of Lviv, Lviv, Ukraine*) The energy distribution determination in the ionizing radiation spectrum of HII regions in the spiral galaxy NGC 300 (**poster**)

## Section ‘Positional Astronomy’

*Chairman: Ie. Vovk*

**16.30-16.45 Victor Pap**, V. P. Zhaborovskyy, M. M. Medvedsky, V. Ya. Choliy (*Main Astronomical Observatory of NAS of Ukraine, Kiyv, Ukraine*) Telescope inaccuracy model based upon satellite laser ranging data (**12+3**)

**16.45-17.00 Marina Ischenko** (*Main Astronomical Observatory of NAS of Ukraine, Kiyv, Ukraine*) GPS reprocessing campaign in the Main Astronomical Observatory of NAS of Ukraine (**12+3**)

**17.00-17.15 Vadim Tkachuk**, V. Ya. Choliy (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Comparison of the basic ephemeris “In-situ” (**12+3**)

**17.15-17.30 Roman Esselbakh, Stanislav Mel’kov** (*Donbass State Technical University, Alchevsk, Ukraine*) Perspective signal registration methods in the satellite laser ranging with following frequency of transmitted pulses up to 10 Hz (**12+3**)

**19.30-22.00 Conference dinner**

# Friday, April 27

## Section 'Solar Physics and Heliosphere'

Chairman: A. Koval

**09.00-09.30 morning coffee**

**09.30-09.45 Olga Botygina, V. G. Lozitsky** (*Astronomical Observatory of National Taras Shevchenko University, Kyiv, Ukraine*) Spectropolarimetric observations of quiescent prominences, and magnetic field diagnostics (**12+3**)

**09.45-10.00 Ievgeniia Sadovenko, M. I. Pishkalo** (*Astronomical Observatory of National Taras Shevchenko University, Kyiv, Ukraine*) Calculation and visualisation of coronal magnetic field during total Solar eclipses of the Solar activity cycle 23 (**12+3**)

**10.00-10.05 Antonina Klyuyeva, V. G. Lozitsky** (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Magnetic field measurements in a sunspot and nearest photosphere using six magnetosensitive lines with different Lande factors (**poster**)

**10.05-10.10 Olexandra Baran** (*Astronomical Observatory of Ivan Franko National University of Lviv, Lviv, Ukraine*) Structure of convective flows on supergranular scales in the solar photosphere (**poster**)

**10.10-10.55 Michal Sobotka** (*Astronomical Institute, Academy of Sciences of the Czech Republic, Ondrejov, Czech Republic*) Solar photosphere (**invited**)

**10.55-11.25 tea-break**

**11.25-11.40 Svetlana Glubokova, A. V. Glyantsev, S. A. Tyul'bashev, I. V. Chashei, V. I. Shishov** (*Pushchino Radio Astronomy Observatory, Pushchino, Russia*) Results of interplanetary scintillation observations of strong radio sources in the decline and minimum phases of cycle 23 of Solar activity (**12+3**)

**11.40-11.55 Habeeb Allawi, S. Pohjolainen** (*University of Turku, Tuorla Observatory, Piikkiö, Finland*) Estimated variations energy of coronal mass ejections at Solar cycle 23 (**12+3**)

**11.55-12.10 Diana-Mihaela Dragomirescu, A. Paraschiv, Sebastian Radu, Lucian Stan, Cristian Ivan, Dana Camelia Talpeanu, A. D. Coman, D. Lacatus, M. Mierla** (*University of Bucharest, Magurele - Ilfov, Romania*) Coronal jet contribution to the slow Solar wind flux, based on STEREO/SECCHI data (**12+3**)

**12.10-12.15 Andrii Voshchepynets, V. Krasnoselskikh, O. Agapitov** (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*) Beam plasma interaction in the inhomogeneous plasma (**poster**)

**12.30-13.20 lunch**



## Section ‘Atmospheric Studies and Space Geophysics’

*Chairman: A. Koval*

- 13.30-14.10 Gennadi Milinevsky** (*National Taras Shevchenko University of Kyiv, Kyiv, Ukraine*)  
*Development of recent atmosphere research in Ukraine (invited)*
- 14.10-14.25 Khatuna Chargazia**, G. Aburjania (*Iv. Javakhishvili Tbilisi State University, Tbilisi, Georgia*)  
*Generation and self-organization of ULF electromagnetic wave structures in the shear flow driven ionosphere (12+3)*
- 14.25-14.40 Anna Polonska**, A. S. Parnowski (*Space Research Institute, Kyiv, Ukraine*)  
*Space weather forecasting using the regression approach (12+3)*
- 14.40-15.10 tea-break**
- 15.10-15.25 Alexander Tsupko**, L. V. Kozak, S. P. Savin, A. T. Y. Lui (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*)  
*Extended self-similarity analysis of the turbulent processes in the boundary regions of the Earth’s magnetosphere (12+3)*
- 15.25-15.40 Andrew Prokhorenkov**, V. Ya. Choliy (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*)  
*Space-time ARIMA modeling of global TEC fields (12+3)*
- 15.40-15.55 Anton Pomazan**, A. V. Ivantsov (*Research Institute “Nikolaev Astronomical Observatory”, Nikolaev, Ukraine*)  
*The study of variability of the atmospheric extinction from observations at the telescope RTT-150 (12+3)*
- 15.55-16.00 Kateryna Reznik**, V. M. Reshetnyk (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*)  
*Astroclimate parameters above the observatories of Kyiv (poster)*
- 16.00-16.05 Dmytro Saliuk**, O. V. Agapitov (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*)  
*Vortex and wave structures in the plasma sheet of the Earth’s magnetosphere (poster)*
- 16.05-16.10 Vlad Mogylchak**, L. V. Kozak (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*)  
*The analysis of light scattering by aerosol on components of the Earth’s atmosphere (poster)*
- 16.10-16.15 Valentyn Bovchaliuk** (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*)  
*Analysis of aerosol characteristics over Ukraine by Microtops II sunphotometer measurements (poster)*
- 16.15-16.20 Polya Dobрева** (*Institute of Mechanics, Bulgarian Academy of Sciences, Sofia, Bulgaria*)  
*Code optimizing algorithm for the 3D self-consistent model of the system magnetosheath-magnetosphere (poster)*
- 16.20-16.25 Sergii Cheremnykh**, O. Agapitov, O. Cheremnykh, A. Parnowski (*Space Research Institute, Kyiv, Ukraine*)  
*The dumping mechanisms of the ULF waves in the inner magnetosphere (poster)*
- 16.25-16.30 Dmytro Mendzhul**, O. Agapitov, O. Cheremnykh (*Space Research Institute, Kyiv, Ukraine*)  
*Whistler wave-normals distribution in the inner magnetosphere (poster)*
- 16.30-17.30 Poster Section + Tea-break**
- 17.30-18.00 Official closure**

Saturday, April 28

**08.30-11.00** Excursions to Kyiv-Pechersk Lavra

**12.00-14.00** Museum of Folk Architecture and Life of Ukraine