

16-th Gamow Summer School
**“ASTRONOMY AND BEYOND: ASTROPHYSICS,
COSMOLOGY, COSMOMICROPHYSICS,
ASTROPARTICLE PHYSICS, RADIOASTRONOMY
AND ASTROBIOLOGY”**

14-20 August, 2016, Odessa, Ukraine

AGENDA

Sunday, 14.08.2016

Arrival

- 08.00 – 22.00 Registration of participants
19.30 – 22.00 **1. Friendly meeting of participants dedicated to the 100th anniversary of I. S. Shklovskii and V.L. Ginsburg**
2. Discussion: SETI, ASTROBIOLOGY AND THE SOLUTION OF FERMI PARADOX (Aleksandr Bukalov)

Monday, 15.08.2016

- 05.56 Sunrise**
09.00 – 13.00 Registration of participants
09.30 – 10.30 **Opening of the conference** (*Conference Hall “Grand Marine”*)
10.30 – 11.00 Coffee break
11.00 – 12.45 **Plenary session** (*Conference Hall “Grand Marine”*)
12.45 – 13.00 **Photographing of participants** (*in front of the Hotel “Grand Marine”*)
13.00 – 14.30 Lunch
14.30 – 16.00 **Section session** (*Conference Rooms in “Chernomorka”, 1 and 2 floors*)
16.00 – 16.30 Coffee break
16.30 – 18.00 **Section sessions** (*Conference Rooms in “Chernomorka”, 1 and 2 floors*)
18.30 – 19.00 Dinner
20.00 – 23.00 **Welcome Party**
20.08 Sunset

Tuesday, 16.08.2016

- 05.57 Sunrise**
09.30 – 11.00 **Plenary session** (*Conference Hall “Grand Marine”*)
11.00 – 11.30 Coffee break
11.30 – 13.00 **Plenary session** (*Conference Hall “Grand Marine”*)
13.00 – 14.30 Lunch
14.30 – 16.00 **Section sessions** (*Conference Rooms in “Chernomorka”, 1 and 2 floors*)
16.00 – 16.30 Coffee break
16.30 – 18.00 **Section sessions** (*Conference Rooms in “Chernomorka”, 1 and 2 floors*)
18.30 – 19.00 Dinner
19.30 – 21.00 **Great entertainment of the Odessa humor with Valery Hait, writer, editor-in-chief of the "Fountain" magazine**
20.06 Sunset

Wednesday, 17.08.2016

- 05.58** **Sunrise**
09.30 – 11.00 **Plenary session** (*Conference Hall “Grand Marine”*)
11.00 – 11.30 Coffee break
11.30 – 13.00 **Plenary session** (*Conference Hall “Grand Marine”*)
13.00 – 14.30 Lunch
14.30 – 16.00 **Section sessions** (*Conference Rooms in “Chernomorka”, 1 and 2 floors*)
16.00 – 16.30 Coffee break
16.30 – 18.00 **Section sessions** (*Conference Rooms in “Chernomorka”, 1 and 2 floors*)
18.30 – 19.00 Dinner
19.30 – 21.00 **Guitar concert – Flamenko.** Performing musician *D.Pechkin.*
Musical director *N.Shevchenko.*
20.04 **Sunset**

Thursday, 18.08.2016

- 05.59** **Sunrise**
09.30 – 11.00 **Plenary session** (*Conference Room in “Chernomorka”, 2 floor*)
11.00 – 11.30 Coffee break
11.30 – 13.00 **Plenary session** (*Conference Room in “Chernomorka”, 2 floor*)
13.00 – 14.30 Lunch
14.30 – 16.00 **Section sessions** (*Conference Rooms in “Chernomorka”, 1 and 2 floors*)
16.00 – 16.30 Coffee break
16.30 – 18.00 **Section sessions** (*Conference Rooms in “Chernomorka”, 1 and 2 floors*)
18.30 – 19.00 Dinner
20.00 – 23.00 **Conference Dinner**
20.02 **Sunset**

Friday, 19.08.2016

- 06.01** **Sunrise**
09.30 – 11.00 **Plenary session** (*Conference Room in “Chernomorka”, 2 floor*)
11.00 – 11.30 Coffee break
11.30 – 13.00 **Plenary session. Conference closing** (*Conference Room in “Chernomorka”, 2 floor*)
13.00 – 14.30 Lunch
14.30 – 15.30 **Section sessions** (*Conference Rooms in “Chernomorka”, 1 and 2 floors*)
15.30 – 16.00 Coffee break
16.00 – 18.00 **Section sessions** (*Conference Rooms in “Chernomorka”, 1 and 2 floors*)
18.30 – 19.00 Dinner
19.30 – 22.00 **Wine tasting at the Institute of wine and brandy “Dulov” or excursion “Evening Odessa”**
20.01 **Sunset**

Saturday, 20.08.2016

06.02 **Sunrise**
Departure
19.59 **Sunset**

Sunday, 21.08.2016

06.03 **Sunrise**
Departure
19.57 **Sunset**

SECTIONS:

- 1. Cosmology, gravitation, high energy physics, astroparticle physics**
(*Convener A.I.Zhuk*) (15-16 August)
- 2. Astrophysics (star atmosphere, interacting binary systems, variable stars)**
(*Convener I.L.Andronov*) (15 -16 August)
Subsection «Astroinformatics»
(*Convener I.B.Vavilova*) (17 August)
- 3. Radioastronomy**
(*Convener O.A.Litvinenko*) (18 August)
- 4. Solar activity, solar-terrestrial relations, astrobiology**
(*Conveners V.M.Efimenko and M.I.Ryabov*) (19 August)
- 5. Solar system**
(*Convener N.I.Koshkin*) (17 August)
Subsection «Near-Earth Space»
(*Convener N.I.Koshkin*) (18 August)
- 6. Attached section «Planetarium of Ukraine and astronomical education »**
(*Conveners V.A.Zakhozhay, Secretary G.V.Zheleznyak*) (17-19 August)

SCHEDULE OF THE PLENARY AND SECTION SESSIONS

Plenary sessions:

15 – 17 August

9.30 – 13.00 *Conference Hall «Grand Marine»*

18 – 19 August

9.30 – 13.00 *Conference Room in «Chernomorka», 2 floor*

Section sessions (15–19 August):

Conference Rooms of the Sports and Recreation Centre "Chernomorka"

Data Section	15.08	16.08	17.08	18.08	19.08
Section 1. Cosmology, gravitation, astroparticle physics, high energy physics	14.30–18.00 Conference Room (2 floor)	14.30–18.00 Conference Room (2 floor)			
Section 2. Astrophysics	14.30–18.00 Conference Room (1 floor)	14.30–18.00 Conference Room (1 floor)			
Subsection "Astroinformatics"			14.30–18.00 Conference Room (1 floor)		
Section 3. Radio-astronomy				14.30–18.00 Conference room (1 floor)	
Section 4. Sun, Solar activity and Astrobiology					14.30–18.00 Conference room (2 floor)
Section 5. Solar system			14.30–18.00 Conference Room (2 floor)	14.30–18.00 Conference Room (2 floor)	
Att. Section "Planetarium of Ukraine"			14.30–18.00 Conference Room (3 floor)	14.30–18.00 Conference Room (3 floor)	

ПРОГРАММА МЕРОПРИЯТИЙ КОНФЕРЕНЦИИ

14.08.2016, 19:30

1. Вечер-встреча участников конференции, посвященный 100-летию И.С.Шкловского и В.Л. Гинзбурга

2. Discussion: SETI, ASTROBIOLOGY AND THE SOLUTION OF FERMI PARADOX (*Aleksandr Bukalov*)

Конференц-зал базы отдыха "Черноморка" (2 этаж)

15.08.2016, 09:30

открытие XVI Гамовской конференции-школы, посвященной 145-летию Одесской астрономической обсерватории

(Конференц-зал отеля "Гранд Марин")

15.08.2016, 12:45

Фотографирование участников конференции

(Вход в отель "Гранд Марин")

15.08.2016, 20:00

Фуршет

(Столовая базы отдыха "Черноморка")

16.08.2016

В память о настоящем одессите Георгии Гамове

БОЛЬШОЙ ВЕЧЕР ОДЕССКОГО ЮМОРА

Перед участниками конференции выступит писатель, главный редактор

Одесского юмористического журнала «Фонтан»

ВАЛЕРИЙ ХАИТ

Приходите! Вам будет смешно и интеллигентно!

Начало в 19 часов 25 минут 46 секунд

(Конференц-зал базы отдыха "Черноморка" (2 этаж))

17.08.2016, 19:30

Вечер гитарной музыки

«Фламенко»

Исполнитель *Дмитрий Печкин* (школа Анатолия Шевченко)

Музыкальный руководитель *Наталья Шевченко*

(Конференц-зал базы отдыха "Черноморка" (2 этаж))

18.08.2016, 20:00

Товарищеский ужин

(Столовая базы отдыха "Черноморка")

19.08.2016, 19:30

Дегустация вин в институте виноделия «Дулов» (Таирово)

или

Экскурсия по вечерней романтической Одессе

Monday, 15.08.2016

09.30 – 10.30 OPENING OF THE CONFERENCE, MEMORIAL REPORTS AND GREETING TALKS (*Conference Hall “Grand Marine”*)

Chair Yatskiv Y.S.

Greetings of the rector of Odessa I.I.Mechnikov National University *I.N.Koval*

Greetings of the president of Ukrainian Astronomical Association *Ya.S.Yatskiv*

Welcome on behalf of the Scientific and Local Organizing Committee

MEMORIAL REPORTS:

Andrievsky S.M. PROFESSIONAL ASTRONOMY IN ODESSA: 145 YEARS HISTORY

10.45 – 11.15 *Coffee break*

11.15 – 13.00 PLENARY SESSION (*Conference Hall “Grand Marine”*)

Chair Shulga V.M.

Mishenina T.V. CHEMICAL COMPOSITION OF THE PLANET-HOSTING STARS

Chernin A.D. GRAVITY-ANTIGRAVITY INTERPLAY IN THE LOCAL UNIVERSE

Sitenko Yu.A. HOT DENSE MAGNETIZED SPINOR MATTER IN PARTICLE AND ASTROPARTICLE PHYSICS: THE ROLE OF BOUNDARIES

Tuesday, 16.08.2016

09.30 – 11.00 PLENARY SESSION (*Conference Hall “Grand Marine”*)

Chair Chernin A.D.

Pankov A.A. PROBING AND IDENTIFYING NEW PHYSICS SCENARIOS AT INTERNATIONAL LINEAR COLLIDER

Jenkovszky L.L. DIFFRACTION AT THE LARGE HADRON COLLIDER

11.00 – 11.30 *Coffee break*

11.30 – 13.00 PLENARY SESSION (*Conference Hall “Grand Marine”*)

Chair Jenkovszky L.L.

Zhuk A. THE LARGE SCALE STRUCTURE OF THE LATE UNIVERSE: MECHANICAL APPROACH AND COUPLED PERFECT FLUIDS

Novosyadlyj B., Tsizh M., Kulinich Yu. DENSITY AND VELOCITY OF MATTER AND DARK ENERGY IN GREAT VOIDS: THEORY AND OBSERVATIONS

Wednesday, 17.08.2016

09.30 – 11.00 PLENARY SESSION (*Conference Hall “Grand Marine”*)

Chair Zhuk A.I.

Захожай В.А. АСТРОНОМИЧЕСКИЙ СЕКТОР ИССЛЕДОВАНИЙ ПРОБЛЕМЫ СЕТИ: ИТОГИ И ПЕРСПЕКТИВЫ

Andronov I.L., Kolesnikov S.V., Chinarova L.L., Breus V.V. MAGNETIC CATAclysmic VARIABLES: 40 YEARS OF NON-VANISHING SURPRISES

11.00 – 11.30 *Coffee break*

11.30 – 13.00 PLENARY SESSION (*Conference Hall “Grand Marine”*)

Chair *Zakhozhay V.A.*

Чурюмов К.И. РЕЗУЛЬТАТЫ ЗОНДИРОВАНИЯ ЯДРА И АТМОСФЕРЫ КОМЕТЫ ЧУРЮМОВА-ГЕРАСИМЕНКО НА ЗАВЕРШАЮЩЕЙ СТАДИИ КОСМИЧЕСКОЙ МИССИИ РОЗЕТТА

Ryabov M.I. ABOUT FUNDAMENTAL PROPERTIES OF SOLAR CYCLES AND NEED TO REVIEW THEIR INTRODUCTIONS

Thursday, 18.08.2016

09.30 – 11.00 PLENARY SESSION (*Conference Room in “Chernomorka”, 2 floor*)

Chair *Mishenina T.V.*

Miroshnichenko L.I. SOLAR PROTON EVENTS OF THE SOLAR CYCLES 23-24: OBSERVATIONS, FEATURES, INTERPRETATIONS

Vavilova I.B. ASTROINFORMATICS AS A NEW RESEARCH FIELD. UKRVO ASTROINFORMATION RESOURCES: TASKS AND PROSPECTIVE

11.00 – 11.30 *Coffee break*

11.30 – 13.00 PLENARY SESSION (*Conference Room in “Chernomorka”, 2 floor*)

Chair *Andrievsky S.M.*

Orlyuk M.I., Romenets A.A. SPATIOTEMPORAL DISTURBED EARTH'S MAGNETIC FIELD: ENVIRONMENTAL ASPECT

Sidorenkov N.S. DECADE NONSTABILITIES IN EARTH'S ROTATION AS EVIDENCES OF THE DRIFT OF LITHOSPHERE OVER ASTENOSPHERE

Friday, 19.08.2016

09.30 – 11.00 PLENARY SESSION (*Conference Room in “Chernomorka”, 2 floor*)

Chair *Novosyadlyj B.S.*

Бисноватый-Коган Г.С. АНОМАЛЬНЫЕ РЕНТГЕНОВСКИЕ ИСТОЧНИКИ И МЯГКИЕ ГАММА ПОВТОРИТЕЛИ – ЯВЛЯЮТСЯ ЛИ ОНИ МАГНЕТАРАМИ?

Моисеевко С. ИЗОЭНТРОПИЧЕСКИЕ "УДАРНЫЕ ВОЛНЫ" ПРИ ЧИСЛЕННОМ МОДЕЛИРОВАНИИ В АСТРОФИЗИЧЕСКИХ ЗАДАЧАХ

11.00 – 11.30 *Coffee break*

11.30 – 12.30 PLENARY SESSION (*Conference Room in “Chernomorka”, 2 floor*)

Chair *Bisnovaty-Kogan G.S.*

Savanevych V. SOFTWARE FOR AUTOMATED ASTEROIDS AND COMETS DISCOVERIES COLITEC: SATELLITE OBSERVATIONS

Kovtyukh V.V., Chekhonadskikh F.A., Belik S.I. A NEW BÖHM-VITENSE GAP IN A-F SUPERGIANTS: POSSIBLE CONNECTION WITH VARIABLE STARS

12.30 – 13.00 CLOSING OF THE CONFERENCE

SECTION SESSIONS

COSMOLOGY, GRAVITATION, ASTROPARTICLE PHYSICS, HIGH ENERGY PHYSICS

Monday, 15.08.2016

14.30 – 16.10 Section session (*Conference Room in “Chernomorka”, 2 floor*)

Chair Zhuk A.I.

1. *Sergijenko O.* TENSOR PERTURBATIONS IN COSMOLOGICAL MODELS WITH DYNAMICAL DARK ENERGY: THE CONSTRAINING POWER OF DIFFERENT OBSERVATIONS
2. *Burgazli A.Yu., Zhuk A.I., Morais J., Kumar K.S.* COUPLED SCALAR FIELDS IN THE LATE UNIVERSE: THE MECHANICAL APPROACH AND THE LATE COSMIC ACCELERATION
3. *Torbaniuk O., Ivashchenko G.* MEASUREMENT OF THE LY α -FOREST TRANSMISSION FROM THE SDSS DR10 QUASAR SPECTRA
4. *Sergeyev A.V., Zheleznyak A.P., Shalyapin V.N., Goicoechea L.J., Borkhonov O.* THE SEARCH GRAVITATIONALLY LENSED QUASARS: THE TECHNIQUE AND FIRST RESULTS

16.10 – 16.30 Coffee break

16.30 – 17.45 Section session (*Conference Room in “Chernomorka”, 2 floor*)

Chair Novosyadlyj B.S.

5. *Tugay A., Dylida S., Panko E.* X-RAY EMISSION AND ORIENTATION OF PF GALAXY CLUSTERS
6. *Панько Е., Емельянов С., Тугай А.* МОРФОЛОГИЯ БОГАТЫХ СКОПЛЕНИЙ СО ЗНАЧИТЕЛЬНОЙ ЭЛЛИПТИЧНОСТЬЮ РЕНТГЕНОВСКОГО КОМПОНЕНТА
7. *Панько Е., Емельянов С.* «CLUSTER CARTOGRAPHY»: ДЕТАЛЬНЫЙ АНАЛИЗ МОРФОЛОГИЧЕСКИХ ОСОБЕННОСТЕЙ СКОПЛЕНИЙ ГАЛАКТИК
8. *Dylida S.S., Zhdanov V.I.* QUALITATIVE CLASSIFICATION OF COSMOLOGICAL SCENARIOS IN A HYDRODYNAMICAL MODEL WITH BAROTROPIC EQUATION OF STATE

17.45 – 18.00 Posters

1. *Chernogor L.F., Lazorenko O.V.* THE RESULTS OF SYSTEM SPECTRUM ANALYSIS OF THE GRAVITATIONAL WAVE GW150914 SIGNAL
2. *Brilenkov R.D., Eingorn M.V.* PERFECT FLUIDS AS SOURCES OF SCALAR COSMOLOGICAL PERTURBATIONS
3. *Bukalov A.V.* THE SOLUTION OF THE COSMOLOGICAL CONSTANT PROBLEM AND THE FORMATION OF THE SPACE-TIME CONTINUUM
4. *Bukalov A.V.* THE REDUCTION OF ENTROPY IN THE OBSERVABLE UNIVERSE AND THE NATURE OF IRREVERSIBLE COSMOLOGICAL TIME
5. *Pakhomov A.G.* DARK MATTER IN THE DYNAMIC OF UNIVERSE
6. *Pakhomov A.G.* INFLUENCE OF ADDITIONAL DIMENSIONS ON DYNAMICS OF EXPANSION OF THE UNIVERSE

Tuesday, 16.08.2016

14.30 – 16.10 Section session (*Conference Room in “Chernomorka”, 2 floor*)

Chair Pankov A.A

1. *Rasouli S.M.M.* GRAVITY-DRIVEN ACCELERATION AND KINETIC INFLATION IN A NONCOMMUTATIVE BRANS-DICKE SETTING
2. *Chopovsky A.V., Eingorn M.V., Fakhr S.H., Zhuk A.I.* BLACK BRANE WITH EXTRA-DIMENSION RICCI-FLAT COMPACTIFICATION IN THE PRESENCE OF SCALAR FIELD
3. *Rudakovskiy A.* INFLUENCE OF ~ 7 KEV STERILE NEUTRINO DARK MATTER ON THE PROCESS OF REIONIZATION
4. *Savchenko D.O.* THE ROLE OF CONTINUUM INDUCED SYSTEMATICS IN THE NARROW X-RAY LINES DETECTION PROCEDURE

16.10 – 16.30 Coffee break

16.30 – 17.45 Section session (*Conference Room in “Chernomorka”, 2 floor*)

Chair Sitenko Yu.A.

5. *Kotvytskiy A.T., Bronza S.D.* QUASI-ANALYTICAL METHOD FOR IMAGES CONSTRUCTION FROM N – POINT GRAVITATIONAL LENSES
6. *Gladush V.D.* TOWARD THE QUANTIZATION OF BLACK HOLES
7. *Gladush V.D., Kulikov D.A.* QUANTUM BOUND STATES ON THE NAKED REISSNER-NORDSTRÖM BACKGROUND
8. *Олейник В.П.* ОБ ЭЛЕКТРОВАКУУМНЫХ МОДЕЛЯХ В ОТО
9. *Потапенко И.В.* СТРУКТУРА НЕРИМАНОВОЙ АФФИННОЙ СВЯЗНОСТИ НА ГЛАДКОМ МНОГООБРАЗИИ И ОСТРОВНЫЕ МОДЕЛИ В ГРАВИТАЦИОННЫХ ТЕОРИЯХ

17.45 – 18.00 Posters

1. *Shapoval A., Shapoval I.* THE INFLUENCE OF MICROGRAVITY ON THE CHARACTERISTICS OF TWO-PHASE HEAT TRANSFER DEVICES
2. *Ryzhy M.* GRAVITATIONAL-THERMODYNAMIC CORRELATION (ADAPTED RESONANCES) AND THE MASS SPECTRUM OF THE ELEMENTARY PARTICLES
3. *Волкотруб Ю.В., Олейник В.П.* ФЕРМИОННОЕ ПОЛЕ В ОСТРОВНЫХ МОДЕЛЯХ С НЕДИАГОНАЛЬНОЙ МЕТРИКОЙ
4. *Шаповалов Г.В.* ОБ ОСТРОВНЫХ СИСТЕМАХ ВАКУУМНЫХ ПОЛЕЙ ЭЙНШТЕЙНА-МАКСВЕЛЛА

ASTROPHYSICS

Monday, 15.08.2016

14.30 – 16.10 Section session *Stellar Atmospheres* (Conference Room in “Chernomorka”, 1 floor)

Chair Mishenina T.V.

1. *Kondratyev V.* NUCLEOSYNTHESIS AT MAGNETOROTATIONAL SUPERNOVA EXPLOSION AND GALACTIC CHEMICAL EVOLUTION
2. *Verlyuk I.* CHROMOSPHERIC ACTIVITY OF THE FLARE STAR YZ CMI IN QUIESCENCE ACCORDING TO THE FAST SPECTRAL MONITORING DATA
3. *Gopka V.F., Shavrina A.V., Yushchenko A.V., Yushchenko V.A., Vasil'eva S.V., Andrievsky S.M.* THE STUDY OF LINES OF TH II, AC II, PM II IN THE SUPERGIANTS SPECTRA OF THE SMALL MAGELLANIC CLOUD (SMC)
4. *Britavskiy N.* POPULATION OF RED SUPERGIANTS IN DWARF IRREGULAR GALAXIES
5. *Vavrukh M.V., Dzikovskiy D.V., Tyshko N.L.* THE ELECTRON-NUCLEAR MODEL IN THE DEGENERATE DWARFS THEORY WITH COULOMB INTERACTIONS
6. *Vavrukh M.V., Stelmakh O.M.* CROSS SECTIONS OF THE EXCITED HYDROGEN ATOMS PHOTOIONIZATION AND FEATURES OF THE SOLAR RADIATION IN THE CONTINUOUS SPECTRUM

Posters (total 15 min, 3min each)

1. *Kondratyev V.* UNIVERSALITY IN MAGNETOEMISSION OF COMPACT ASTROPHYSICAL OBJECTS
2. *Gorbaneva T.I., Mishenina T.V.* STRONTIUM ABUNDANCES IN COOL DWARF STARS GALACTIC THIN AND THICK DISK
3. *Vasil'eva S.V., Yushchenko A.V., Gopka V.F., Kovtyukh V.V.* ABOUT CHEMICAL COMPOSITION OF α -ORI ATMOSPHERE
4. *Nazarenko V.V., Nazarenko S.V.* 3D NUMERICAL HYDRODYNAMICAL SIMULATIONS OF RADIATION-DRIVEN JET LAUNCHING AND DISAPPEARING OVER LOW/HARD STATE
5. *Usenko I.A., Kovtyukh V.V., Miroshnichenko A.S.* EFFECTIVE TEMPERATURES AND RADIAL VELOCITIES OF SMALL-AMPLITUDE CEPHEID POLARIS (ALPHA UMI) DURING 2015

16.10 – 16.30 Coffee break

16.30 – 18.00 Section session *Variability of Stars* (Conference Room in “Chernomorka”, 1 floor)

Chair Andronov I.L

1. *Marsakova V.I., Tvardovskiy D.E.* THE PERIOD CHANGES CAUSED BY EFFECTS OF MASS TRANSFER AND PRESENCE OF THE THIRD COMPONENTS IN THE ECLIPSING CLOSE BINARY STELLAR SYSTEMS
2. *Breus V.V.* IMPROVEMENTS OF THE ALGORITHM FOR DETECTION OF NEW VARIABLE STARS USING CCD PHOTOMETRY
3. *Andrych K.D., Andronov I.L., Chinarova L.L., Marsakova V.I.* COMPARATIVE ANALYSIS OF APPROXIMATIONS OF BRIGHTNESS EXTREMA OF VARIABLE STARS
4. *Bobrov O.D., Andronov I.L.* IMPROVEMENT OF THE PROGRAM “GAUSS2D” FOR FITTING OVERLAPPED IMAGES OF STARS AT THE CCD FRAMES
5. *Grygoriev A.Yu.* NUMERICAL METHODS OF DETERMINATION OF ASTROPHYSICAL PARAMETERS. MINIMIZATION OF FUNCTIONS

6. *Tkachenko M.G, Andronov I.L., Chinarova L.L.* A SET OF PHENOMENOLOGICAL PARAMETERS FOR THE CATALOGUE OF CHARACTERISTICS OF ECLIPSING BINARY STARS

Tuesday, 16.08.2016

14.30 – 16.10 Section session *Galaxies and AGN* (Conference Room in “Chernomorka”, 1 floor)

Chair Ryabov M.I.

1. *Oknyansky V., Huseynov N., Lipunov V., Tatarnikov A., Shatsky N., Tsygankov S., Metlov V., Salmanov I., Gaskell C.M.* THE CHANGING-LOOK AGNS MONITORING PROJECT
2. *Oknyansky V.* OPTICAL MONITORING OF NGC4151 DURING 110 YEARS
3. *Захожай В.А., Шульга В.М.* СЛЕДСТВИЯ ДВУХАКТОВОЙ ФРАГМЕНТАЦИИ В ПРОТОГАЛАКТИКАХ С ОТСУТСТВУЮЩИМ УГЛОВЫМ МОМЕНТОМ
4. *Vasylenko A.A., Vavilova I.B.* NuSTAR SPECTRAL VIEW OF NGC 5347, ESO 438-009, MCG -02-04-090 AND J11366-6002
5. *Dobrycheva D.* NO HOLMBERG EFFECT IN GALAXY PAIRS
6. *Akhmetov V.* THE KINEMATICS RESEARCH OF THE GALAXY USING OF VECTOR SPHERICAL HARMONICS METHOD
7. *Asvarov Abdul* SUPERNOVA REMNANTS IN THE LATE STAGES OF EVOLUTION

16.10 – 16.30 Coffee break

16.30 – 18.00 Section session *Astrophysics, Hardware, Software and Posters* (Conference Room in “Chernomorka”, 1 floor)

Chair Oknyansky V.L.

1. *Zakhozhay V., Kokumbaeva R., Khruslov A.* SEARCH AND STUDY OF VARIABLE STARS
2. *Manapbayeva A.B., Zakhozhay O.V., Kuratova A.K., Zakhozhay V.A., Kuratov K.S., Beisebayeva A.S.* OBSERVATIONS AND MODELING OF SPECTRAL ENERGY DISTRIBUTION OF YOUNG STARS
3. *Mailybayev A.T., Zakhozhay V.A., Kuratov K.S.* ON THE PROBLEM OF DETERMINING THE SCALE OF OCCURRENCE OF KEY EVENTS IN THE DEVELOPMENT OF STAR SYSTEMS
4. *Kuratova A. K., Kuratov K.S., Miroshnichenko A.S., Naurzbaeva A.Zh., Alimgazinova N.Sh., Manapbayeva A.B.* A SEARCH OF FS CMa TYPE HOT STARS SURROUNDED BY CIRCUMSTELLAR DUST
5. *Малета Д., Гузей М., Иванников А., Панько Е.* РАЗРАБОТКА И ИЗГОТОВЛЕНИЕ МОДУЛЯ АВТОМАТИЧЕСКОГО ПЕРЕКЛЮЧЕНИЯ СВЕТОФИЛЬТРОВ ДЛЯ ТЕЛЕСКОПА ЗТС 702
6. *Andronov I.L., Baklanov A.V.* MCV -"MULTI-COLUMN VIEWER": THE PROGRAM TO VIEW, PLOT AND ANALYSE THE DATA

Posters

1. *Kudashkina L.S.* THE MEAN LIGHT CURVES OF THE MIRA-TYPE STARS IN THE H- AND K-BANDS
2. *Taghiyev S.F., Ismailov N.Z., Alishov S.A.* THE SPECTRAL VARIABILITY OF HD200775 AT THE LOW ACTIVITY PHASE
3. *Malyi O.* (presented Andronov I.L.) LIVE DVD “UBUNTU ASTRONOMY 16.04” 64-BIT
4. *Andronov I.L., Breus V.V., Cook L., Dubovsky P., J.Jurysek, Kolesnikov S.V., Masek M.* INTERMEDIATE POLAR FO AQR: INTERNATIONAL CAMPAIGN WHILE RETURNING FROM THE RARE LOW LUMINOSITY STATE IN 2016

ПОДСЕКЦИЯ «АСТРОИНФОРМАТИКА»

Wednesday, 17.08.2016

14.30 – 16.10 Section session (*Conference Room in “Chernomorka”, 1 floor*)

Chair Vavilova I.B.

1. *Andruk V., Pakuliak L., Golovnia V., Shatokhina S., Yizhakevych O.* THE HISTORY OF CREATION OF THE CATALOG OF FON's PROGRAM
2. *Akhmetov V.* AN INVESTIGATION OF THE FON3 CATALOGUE DATA USING WIELEN METHOD
3. *Protsyuk Yu., Relke E.* UKRVO – FEATURES AND COMPARISON OF THE NEW CATALOGUE OF PHOTOGRAPHIC SURVEY OF THE NORTHERN SKY
4. *Savanevych V.E., Pohorelov A.V., Briukhovetskyi O.B., Vlasenko V.P.* DEVELOPMENT OF VIRTUAL OBSERVATORIES SOFTWARE
5. *Eglitis I., Shatokhina S.V., Andruk V.M., Eglite M.* OBTAINING POSITIONS OF ASTEROIDS FROM DIGITIZED PROCESSING OF PHOTOGRAPHIC OBSERVATIONS IN BALDONE OBSERVATORY (CODE 069)
6. *Protsyuk Yu.I., Maigurova N.I., Protsyuk S.I., Golovnia V.* UKRVO DATA AND SOFTWARE FOR NEW REDUCTIONS OF PHOTOGRAPHIC OBSERVATIONS OF SELECTED MINOR PLANETS
7. *Yizhakevych O., Andruk V., Pakuliak L.* PHOTOGRAPHIC OBSERVATIONS OF MAJOR PLANETS AND THEIR MOONS DURING 1961-1990 AT THE MAO NAS OF UKRAINE
8. *Kolomiyets S.* PROMOTION OF METEOR ARCHIVAL DATABASES INTO VIRTUAL SPACE
9. *Eglite M., Eglitis I.* BALDONE SCHMIDT (LATVIA) TELESCOPE ASTROPHOTOS ARCHIVE
10. *Gorbunov M.A., Shlyapnikov A.A.* DIGITAL VERSION OF CATALOGUE I.M.KOPYLOV (1953) AND CONNECTION WITH CRAO PHOTOPLATES ARCHIVE

16.10 – 16.30 Coffee break

16.30 – 17.50 Section session (*Conference Room in “Chernomorka”, 1 floor*)

Chair Vavilova I.B.

11. *Bondar N.I., Gorbunov M.A., Elizarova N.V., Rublevskiy A.N., Shlyapnikov A.A.* DIGITAL VERSION OF THE "SHAJN'S PLAN" PROJECT
12. *Rublevskiy A.N., Shlyapnikov A.A.* MTM-500 CRAO DATABASE: NGC 188 – FULL STORY
13. *Eglitis I., Eglite M., Andruk V., Pakuliak L.* PROGRESS IN WORKING WITH THE U-ASTRONEGATIVES FROM THE 1.2 M SCHMIDT TELESCOPE IN BALDONE
14. *Rublevskiy A.N., Shlyapnikov A.A.* THE CATALOGUE OF OBJECTS IN THE FIELD OF GRB160625B AND AFTERGLOW OBSERVATION
15. *Kryuchkovskiy V.F., Maigurova N.V.* STARS WITH HIGH PROPER MOTIONS IN THE MODERN CATALOGS OF THE CDS DATABASE

17.50 – 18.00 Posters

1. *Yuldoshev Q.X., Muminov M.M., Ehgamberdiev Sh.A., Usmanov O.U., Relke H., Protsyuk Yu.I., Andruk V.N.* THE EQUATORIAL COORDINATES AND B-MAGNITUDES OF THE STARS IN THE SOUTHERN HEMISPHERE ZONES BASED ON THE DIGITIZED ASTRONEGATIVES OF FON PROJECT AT THE ULUGH BEG ASTRONOMICAL INSTITUTE
2. *Pomazan A.V., Maigurova N.V.* ANALYSIS OF ASTEROID'S OBSERVATIONS IN OPEN PHOTOMETRIC DATABASES

RADIOASTRONOMY

Thursday, 18.08.2016

14.30 – 16.10 Section session (*Conference Room in “Chernomorka”, 1 floor*)

Chair O.A.Litvinenko

1. *Tsivilev A.P., Parfenov S.Yu., Krasnov V.V.* THE PHYSICAL CONDITIONS OF THE CENTRAL PART OF ORION A HII REGION BY THE RADIO RECOMBINATION LINES AT 8 AND 13 MM
2. *Shepelev V.A., Vashchishin R.V., Lozinskyy A.B., Lytvynenko O.A.* OBSERVATIONS OF USS RADIO SOURCES AT DECAMETER WAVELENGTHS
3. *Miroshnichenko A.P.* RATIO OF STRUCTURE COMPONENTS OF GIANT RADIO SOURCES
4. *Sukharev A.L., Ryabov M.I., Donskykh G.I.* CATALOG OF VARIABILITY PERIODS EXTRAGALACTIC RADIO SOURCES IN THE CENTIMETER WAVELENGTH RANGE
5. *Вольвач А.Е., Ларионов М.Г., Вольвач Л.Н.* ВСПЫШЕЧНАЯ АКТИВНОСТЬ БЛАЗАРА АО 0235+164
6. *Mylostna K.Y., Zakharenko V.V., Shevtsova A.I., Yerin S.M.* THE STUDY OF THE VARIATIONS OF SATURNIAN LIGHTNING DISPERSION DELAYS
7. *Vasilenko N.* SPECIAL FIELD OF RADIO EMISSION OF THE GALAXY

16.10 – 16.30 Coffee break

16.30 – 17.45 Section session (*Conference Room in “Chernomorka”, 1 floor*)

Chair Tsivilev A.P

Kyzyurov Yu. HEATING OF ELECTRONS IN SPORADIC-E LAYER BY POWERFUL RADIO WAVE

8. *Isaeva E.A., Kravetz R.O.* CONNECTION BETWEEN SHOCK WAVE VELOCITY AND II TYPE RADIO BURSTS VELOCITY
9. *Kravtsov I.P., Zakharenko V.V., Vasylieva I.Y., Mykhailova S.S., Ulyanov O.M., Shevtsova A.I., Skoryk A.O.* PARAMETERS OF THE TRANSIENT SIGNALS DETECTED IN THE DECAMETER SURVEY OF THE NORTHERN SKY
10. *Konovalenko A.A., Stepkin S.V., Vasilkovskiy E.V.* TOOLS AND OBSERVATIONAL METHODS OF LOW-FREQUENCY RADIO RECOMBINATION LINES INVESTIGATIONS
1. *Shepelev V.A., Lytvynenko O.A., Isaeva E.A.* PROSPECTS of INTERFEROMETER OBSERVATIONS WITH DSP-Z

17.45 – 18.00 Posters

2. *Samodurov V.A., Dumsky D.V., Isaev E.A., Rodin A.E., Kazantsev A.N., Fedorova V.A.* THE DAILY 110 MHZ RADIO WAVE SKY SURVEY: STATISTICAL ANALYSIS OF IMPULSE PHENOMENA FROM OBSERVATION IN 2012-2013
3. *Dumsky D.V., Isaev E.A., Samodurov V.A., Shaskaya M.V.* THE CURRENT STATE OF DATA TRANSMISSION CHANNELS FROM PUSHCHINO TO MOSCOW AND PERSPECTIVES
4. *Vashchishin R.V., Shepelev V.A., Lozinskyy A.B., Lytvynenko O.A.* ANGULAR STRUCTURE OF FR II RADIO SOURCES 3C169.1 AND 3C263 AT DECAMETER WAVELENGTHS
5. *Lytvynenko O.A., Lytvynenko I.O., Derevyagin V.G.* BROADBAND INTERFERENCE AND URAN RADIO TELESCOPE OBSERVATION
6. *Isaeva E.A., Lytvynenko O.A., Shepelev V.A.* TRANSFORM OF DSP-Z DATA FOR THEIR USE WITH VLBI URAN SOFTWARE

SUN, SOLAR ACTIVITY AND ASTROBIOLOGY

Friday, 19.08.2016

14.30 – 16.10 Section session (*Conference Room in “Chernomorka”, 2 floor*)

Chair *М.И.Рябов*

1. *Efimenko V.M., Lozitsky V.G.* STATISTICAL PARAMETERS OF LARGE SUNSPOT ACTIVITY CYCLE IN 12-24
2. *Lozitsky V.G., Gordovskyy M.Yu., Botygina O.O.* SMALL-SCALE MAGNETIC FIELD DIAGNOSTICS OUTSIDE SUNSPOTS BASED ON DATA FROM SPACE OBSERVATORY HINODE
3. *Stodilka M.I., Sukhorukov A.V.* SMALL SCALE ACTIVE CENTERS IN THE QUIET SOLAR PHOTOSPHERE
4. *Lozitska N.* PROBLEM OF MISTAKES IN DATABASES, PROCESSING AND INTERPRETATION OF OBSERVATIONS OF THE SUN. II SOLAR FLARES
5. *Shapovalova N.* THE INTERACTION BETWEEN LOCAL CATASTROPHIC EVENTS AND GLOBAL GEODYNAMICS
6. *Samsonov S.N., Manykina V.I., Kleymenova N.G., Parshina S.S., Petrova P.G., Strekalovskaya A.A.* THE ROLE OF SHORT-PERIOD GEOMAGNETIC PCL AND PIL PULSATIONS IN THE MIDDLE AND HIGH LATITUDES

16.10 – 16.30 Coffee break

16.30 – 17.55 Section session (*Conference Room in “Chernomorka”, 2 floor*)

Chair *В.М.Ефименко*

7. *Sukharev A.L., Ryabov M.I., Orlyuk M.I., Romanets A.A., Sobitnyak L.I.* CHARACTER OF APPEARANCE OF THE MAIN PERIODS OF GEOMAGNETIC FIELD VARIATIONS IN THE 24TH CYCLE OF SOLAR ACTIVITY ACCORDING TO DIGITAL RECORDING IN KIEV AND ODESSA.
8. *Komendant V.H., Koshkin N.I., Ryabov M.I., Sukharev A.L.* ABOUT QUASI-PERIODIC CHANGES IN SOLAR AND GEOMAGNETIC INDEXES AND THEIR INFLUENCE ON THE DRAG DYNAMICS OF EARTH ARTIFICIAL SATELLITES
9. *Koval'chuk M.M., Hirnyak M.B., Baran O.A., Stodilka M.I., Vovchyk Ye.B., Bilinsky A.I., Blahodyr Ya.T., Virun N.V.* THE INFLUENCE OF SOLAR ACTIVITY ON THE DYNAMICS OF SPACECRAFTS
10. *Koval'chuk M.M., Hirnyak M.B., Baran O.A., Stodilka M.I., Vovchyk Ye.B., Bilinsky A.I., Blahodyr Ya.T., Virun N.V.* THE ROLE OF PARAMETERS OF SOLAR WIND AND GEOMAGNETIC ACTIVITY IN THE CHANGING OF ORBITAL MOTION OF THE ARTIFICIAL SATELLITES OF THE EARTH
11. *Parshina S.S., Tokaeyva L.K., Dolgova E.M., Afanas'eva T.N., Samsonov S.N., Petrova V.D., Vodolagina E.S., Kaplanova T.P., Potapova M.V.* ERYTHROCYTES FUNCTIONAL FEATURES IN THE 11-YEAR SOLAR CYCLE

17.55 – 18.00 Posters

1. *Baran O.A., Stodilka M.I.* STRATIFICATION OF THE PHYSICAL PARAMETERS OF CONVECTION IN THE SOLAR PHOTOSPHERE

SOLAR SYSTEM

Wednesday, 17.08.2016

14.30 – 16.10 Section session (*Conference Room in “Chernomorka”, 2 floor*)

Chair Koshkin N.I.

1. Ponomarenko V.O., Churyumov K.I., Simon A.O. SPECTROPHOTOMETRIC RESEARCHES OF THE NEUTRAL GAS-DUST ATMOSPHERE OF THE COMETS C/2014 Q2 (LOVEJOY) AND C/2013 US10 (CATALINA)
2. Zotov L.V. CHANDLER WOBBLE AMPLITUDE CHANGES AND EXCITATION ANALYSIS.
3. Kazantsev A.M., Kazantseva L.V. AN INFLUENCE OF A NON-GRAVITATIONAL EFFECT ON CHANGE OF SEMI-MAJOR AXES OF KILOMETRE-SIZED MAIN BELT ASTEROIDS
4. Kazantsev A.M., Kazantseva L.V. ON A POSSIBLE CONNECTION OF THE CELESTIAL BODIES WITH THE EARTHQUAKES
5. Troianskyi V.V., Bazyey O.A. NUMERICAL SIMULATION DYNAMICS OF BINARY AND MULTIPLE ASTEROID SYSTEMS

16.10 – 16.30 Coffee break

16.30 – 17.30 Section session (*Conference Room in “Chernomorka”, 2 floor*)

Chair Bazyey A.A.

6. Shakun L. THE PRECISION ORBIT DETERMINATION OF GEOSTATIONARY SATELLITE «EUTELSAT 13B» BY USING OBSERVATIONS OF THE SIGNAL'S TIME DIFFERENCE OF ARRIVAL
7. Churyumov K.I., Steklov A.F., Vidmachenko A.P., Dashkiev N.G., Steklov E.A. «CHURYUMOV UNIFIED NETWORK»: NEW TASKS FOR ASTRONOMICAL OBSERVATORIES TO PROTECT SOCIETY IN THE ERA OF MODERN HYBRID WARS.
8. Koshkin N., Shakun L., Korobeinikova E., Strakhoiva S., Melikyants S., Ryabov A., Dragomiretsky V., Terpan S. SPIN PERIOD AND ATTITUDE OF SATELLITES AND SPACE DEBRIS MEASURED BY USING PHOTOMETRY
9. Melikyants S., Koshkin N., Shakun L. INTERPRETATION OF PHOTOMETRIC OBSERVATIONS OF SPACE OBJECTS

17.30 – 18.00 Posters (Brief posters presentation – up 5 min.)

1. Kuznyetsova Yu. SPECTRAL PECULIARITIES OF JOVIAN SATELLITES IO AND EUROPE
2. Perna D., Hromakina T., Merlin F., Fornasier S. A SEARCH FOR SURFACE VARIABILITY ON THE DWAF PLANET MAKEMAKE FROM SPECTROSCOPIC OBSERVATIONS
3. Vidmachenko A. IS THERE 9-TH PLANET IN OUR SOLAR SYSTEM?
4. Churyumov K.I., Steklov A.F., Vidmachenko A.P., Dashkiev N.G., Steklov E.A. TRACES ON SKY. UNEXPECTED RESULTS OF REGULAR OBSERVATIONS
5. Shakun L., Bushuev F., Kaliuzhnyi M., Shulga O., Sybiryakova Ye., Bezrukovs V., Moskalenko S., Kulishenko V., Balagura O. PASSIVE CORRELATION RANGING OF A GEOSTATIONARY SATELLITE USING DVB-S PAYLOAD SIGNALS
6. Kulichenko M., Sybiryakova Ye., Shulga A. DOUBLE STATION OBSERVATION OF FAINT METEORS IN NIKOLAEV
7. Sybiryakova Y., Shulga A., Kulichenko M., Vovk V. OBSERVATION OF NEAR EARTH ASTEROIDS WITH USING OF COMBINED METHOD
8. Vovk V., Kaliuzhnyi M. RADIO METEORS OBSERVATIONS TECHNIQUES AT RI NAO

Thursday, 18.08.2016

14.30 – 16.10 Section session (*Conference Room in “Chernomorka”, 2 floor*)

Chair Savanevich V.

9. Bazyey O., Troianskyi V. MODIFICATION OF ‘GAUSS’ METHOD
10. Khlamov S. COMPUTATIONAL METHODS OF DATA PROCESSING FOR DETECTION OF THE OBJECT'S NEAR-ZERO APPARENT MOTION
11. Shatokhina S., Kazantseva L., Kazantsev A., Andruk V., Golovnia V. SEARCH SMALL BODIES IMAGES IN COLLECTIONS DIGITIZED PHOTOGRAPHIC OBSERVATIONS OF PREVIOUS YEARS
12. Dikhtyar M., Savanevych V. THE COMPUTATIONAL METHOD OF IDENTIFICATION OBJECT ON THE SERIES OF THE FRAME WITH SUBSTANTIALLY INCOMPLETE EXTERNAL DIRECTORIES
13. Pomazan A.V., Maigurova N.V. MODERN CCD OBSERVATIONS OF SELECTED MINOR PLANETS FOR THE CONNECTION OF DYNAMIC AND KINEMATIC COORDINATE SYSTEMS

16.10 – 16.30 Coffee break

16.30 – 18.00 Section session (*Conference Room in “Chernomorka”, 2 floor*)

Chair Koshkin N.

14. Movsesian Ia. THE COMPUTATIONAL METHOD OF SELECTING THE REFERENCE STARS ON THE DIGITAL IMAGE
15. Vlasenko V.P., Savanevych V.E., Pohorelov A.V., Briukhovetskyi O.B. THE BRIGHTNESS ALIGNING OF ASTRONOMICAL IMAGES WITH A USE OF MEDIAN FILTER
16. Voitko A., Troianskyi V. ORBITAL RESONANCE IN THE SATURN SYSTEM
17. Horbachova A. STUDY OF THE SOLAR ECLIPSE PHENOMENA OF DWARF PLANET PLUTO
18. Kostiuk V. THERMAL ACTIVITY OF THE ENCELADUS
19. Gorbanev Yu.M., Stogneeva I.A., Shestopalov V.A., Knyazkova E.F., Golubaev A.V., Kimakovskaya I.I., Kimakovsky S.R. THE EFFECT OF MAJOR METEOR STREAMS ON THE TOTAL OZONE IN THE EARTH'S ATMOSPHERE

СЕКЦИЯ «ПЛАНЕТАРИИ УКРАИНЫ»

Wednesday, 17.08.2016

14.30 – 16.10 Section session (*Conference Room in “Chernomorka”, 3 floor*)

Chair Захожай В.А.

1. *Захожай В.А.* О РАБОТЕ ПЛАНЕТАРИЕВ И АСТРОНОМИЧЕСКОМ ОБРАЗОВАНИИ В УКРАИНЕ
2. *Рябов М.И.* О ПРОЕКТЕ ВОЗРОЖДЕНИИ ОДЕССКОГО ПЛАНЕТАРИЯ
3. *Железняк Г.В.* О КОНФЕРЕНЦИИ МЕЖДУНАРОДНОГО ОБЩЕСТВА ПЛАНЕТАРИЕВ В 2016 ГОДУ И ПЕРСПЕКТИВАХ АСТРОНОМИЧЕСКОГО ОБРАЗОВАНИЯ
4. *Кушерец В.И.* КИЕВСКИЙ ПЛАНЕТАРИЙ ОБЩЕСТВА «ЗНАНИЕ» УКРАИНЫ НА НОВЫХ РУБЕЖАХ

16.10 – 16.30 Coffee break

16.30 – 17.55 Section session (*Conference Room in “Chernomorka”, 3 floor*)

Chair Железняк Г.В.

5. *Чурюмов К.И.* ВНЕДРЕНИЕ ОТКРЫТИЙ И ДОСТИЖЕНИЙ В ОБЛАСТИ АСТРОНОМИИ И КОСМОНАВТИКИ В ОБРАЗОВАТЕЛЬНЫЙ ПРОЦЕСС
6. *Kuzmenkov S.* ACTUAL PROBLEMS OF GENERAL ASTRONOMICAL EDUCATION
7. *Каблак Н., Рейтий А., Калинич И.* РАЗВИТИЕ АСТРОТУРИЗМА В КАРПАТСКОМ РЕГИОНЕ
8. *Ломака Е.* МЕТОДИКА АСТРОНОМИЧЕСКОГО ОБРАЗОВАНИЯ В ХАРЬКОВСКОМ ПЛАНЕТАРИИ

Thursday, 18.08.2016

14.30 – 16.10 Section session (*Conference Room in “Chernomorka”, 3 floor*)

Chair Кушерец В.И.

9. *Кажанов В.В.* РАСШИРЕНИЕ ТЕХНИЧЕСКИХ ВОЗМОЖНОСТЕЙ ВИЗУАЛИЗАЦИИ КОСМОСА
10. *Творун В.Т.* О РАБОТЕ ОБОРУДОВАНИЯ ДЛЯ ЗВЕЗДНЫХ ЗАЛОВ. РЕКОНСТРУКЦИЯ ВИННИЦКОГО ПЛАНЕТАРИЯ
11. *Кажанова Д.Н.* СТРУКТУРА РЕКЛАМНЫХ КАМПАНИЙ, КОНСАЛТИНГА И МЕНЕДЖМЕНТА В ХАРЬКОВСКОМ ПЛАНЕТАРИИ
12. *Левченко М.Ф.* ОСОБЕННОСТИ РАБОТЫ С АУДИТОРИЕЙ В ВИННИЦКОМ ПЛАНЕТАРИИ НА СОВРЕМЕННОМ ЭТАПЕ

16.10 – 16.30 Coffee break

16.30 – 17.55 Section session (*Conference Room in “Chernomorka”, 3 floor*)

Chair Кузьменков С.Г.

13. *Выхрестюк Т.П.* ДНЕПРОПЕТРОВСКИЙ ПЛАНЕТАРИЙ: АСТРОНОМИЧЕСКОЕ ОБРАЗОВАНИЕ И РАБОТА С ДЕТЬМИ
14. *Дашковский А.Н.* ЧЕРКАССКИЙ ПЛАНЕТАРИЙ: ДВИЖЕНИЕ К НОВЫМ ТЕХНОЛОГИЯМ
15. *Любаров Ю.Й.* ПЛАНЕТАРИЙ В г. НИКОЛАЕВЕ В СИСТЕМЕ ОБРАЗОВАНИЯ И ДОСУГА ШКОЛЬНИКОВ
16. *Сорокович А., Тирон С., Наку И.* АСТРОНОМИЧЕСКОЕ ОБРАЗОВАНИЕ В МОЛДОВЕ
17. *Храмцова О.Ю.* СОЗДАНИЕ ПРОГРАММ, ТРЕНДОВ, ЛОГОТИПОВ, РЕКЛАМНОЙ ПРОДУКЦИИ ДЛЯ ПЛАНЕТАРИЕВ