Section
Astrometry and small bodies of the Solar system

May 24, 2017, Wednesday
(Astronomical Observatory, Taras Shevchenko National University of Kyiv,
Observatorna str. 3, Kyiv)

14.00-17.45 Chair – Rosenbush V.K.

14:00 – 14:15 M. Husárik Research of interplanetary matter at Astronomical Institute of the Slovak Academy of Sciences

14:15 – 14:30 O. Ivanova, V. Rosenbush, N. Kiselev, L. Kolokolova, and V. Afanasiev Analysis of photometric, spectroscopic, and polarimetric observations of comet 67P/Churyumov–Gerasimenko

14:30 – 14:45 I. Kulyk, P. Rousselot, P. Korsun, V. Afanasiev Activity of the selected Oort Cloud comets with perihelia at large distances from the Sun

14:45 – 15:00 S. Borysenko, A. Baransky, E. Kuehrt, S. Hellmich, S. Mottola, K. Meech Broadband observations of comets in the main belt and surrounding regions


15:30 – 15:45 Ponomarenko V.O., Hraniak V.F., Kleschonok V.V. Temperature peculiarities of formation and detection of fluorescent cometary continuum

15:45 – 16:00 Kazantseva L.V., Shatokhina S. V., Andruk V.M Comet in the UKRVO Joint Digital Archive and possibilities for re-processing of photographic images

16.00 – 16.30 Coffee break

16:30 – 16:45 Guliyev R.A. On the orbital evolution and origin of comet 67P/Churyumov-Gerasimenko

16:45 – 17:00 Guliyev A.S., Guliyev R.A. On the potential role of selected trans-neptune planetary bodies in the dynamical evolution of the long-period comets

17:00 – 17:15 N.S. Kovalenko An overview of software packages for orbital evolution modelling of meteoroids

17:15 – 17:30 V. L. Karbovsky, V. V. Kleschonok, M. I. Buromsky, V. I. Shavlovsky The program and hardware complex for observation of occultations of stars by asteroids.

17:30 – 17:45 Mikhalchenko O. I., Shevchenko V. G. Occultation albedos of individual selected asteroids
14:00 – 14:15  Lupishko D. F.  **Generalized calibration of the scale of asteroid polarimetric albedos**

14:15 – 14:30  Krugly Yu.N., Molotov I.E., Inasaridze, R.Ya. et al.  **Program for studying asteroids near the Earth within the framework of the international ISON network**

14:30 – 14:45  Kazantsev A.M., Sherbaum L.M.  **The role nongravitational effects in the formation of accosiations in the asteroid belt**

14:45 – 15:00  Kazantsev A.and Kazantseva L.  **Asteroid size distributions for the main belt and for asteroid families**

15:00 – 15:15  Kolomiets S.V., Voloshchuk Yu.I.  **Tasks and opportunities of the Ukrainian meteor science: yesterday, today, tomorrow**

15:15 – 15:30  Kozak P. M.  **Meteors with abnormal appearance heights by television monitoring in Kyiv**

15:30 – 15:45  Maigurova N.V., Pomazan A.V., Kozhuhov O.M.  **Results from optical CCD observations of asteroid 2014 JO25 during its close approach to the Earth on April 19, 2017**

**15.45 – 16.15 Coffee break**

16:15 – 16:30  Epishev V.P., Kudak V.I., Motrunich I.I., et al.  **Age-related changes in the own rotation of artificial satellite under influence of the Moon and Sun**

16:30 – 16:45  Velichko A. B., Akhmetov V. S., Fedorov P. N.  **Kinematics of our Galaxy from the PMA and TGAS catalogues**

16:45 – 17:00  Kazantsev A. and Kazantseva L.  **On supplementing the database of earthquakes with parameters of tidal forces from cosmic bodies**

17:00 – 17:15  Kruchinenko V.G., Steklov A.F., Vid’machenko A.P., et al.  **Lyrids 2017: the second season of successful daytime observations.**

17:15 – 17:45  **Poster presentation**

**17.15– 17.45. Poster Session**


2.  O. Shubina , O. Ivanova, E. Zubko, et al.  **Dust colour variations in the comet C/2013 UQ4**

3.  Protsyuk Yu.I., Kovylianska O.E., Protsyuk S.V., Maigurova N.V.  **Catalogue for first epoch of circumpolar star by using images from UkrVO plate archive.**

4.  Choliy V.Ya., Kazantseva L.V., Morozhenko O.V., Vidmachenko A.P., Nevodovskyi P.V.  **Observations of stars from the lunar surface for the study of libration.**

5.  Ivanova O., Moiseev A., Afanasiev V.  **[OI] emission in comet 252P/LINEAR and ground-based Fabry-Perot observations at the 6-m telescope.**


7.  Kruchinenko V.G., Steklov A.F., Vid’machenko A.P., Dashkiev G.N., Steklov E.A.  **FORECAST - PROJECT: substantiation of the possibility of morning twilight observations of the traces of meteoroid intrusions from the stream of this -Aquarid from May 1 to 9, 2017 over Kiev and near it..**

8.  Nevodovsky P.V., Steklov A.F., Dashkiev G.N., et al.  **Examples of the successful work of the mobile service recording the traces of space invasions into the sky over our cities.**