

Session Program

24-28 Oct 2022



28th Young Scientists' Conference on Astronomy and Space Physics

Solar system & extrasolar planets

Wednesday 26 October

10:00

Solar system & extrasolar planets

Session | Convener: Dr Olena Shubina

10:00–10:15 **Multiwavelength photometry of comet C/2013 X1 (Pan-STARRS)**

Speaker

Dr Olena Shubina

10:15–10:30 **Investigation of dust component of hyperbolic comet C/2015 VL62**

Speaker

Ms Kateryna Kulish

10:30–10:45

Photometry, astrometry and dust productivity analysis of comet 67P/Churyumov-Gerasimenko in 2021-2022

Speaker

Ms Oleksandra Pyshna

10:45–11:30 **Search for metallic asteroids**

Speaker

Dr Oleksiy Golubov

11:30–11:45

Phase and color ratio method for searching areas with anomalous optical roughness on the Vesta surface

Speaker

Ms Valeriia Rychahova

11:45–12:00 **Tidal heating in potentially habitable extrasolar planets**

Speaker

Dr Varnana M. Kumar,

12:00–12:15

Research of Kuiper belt objects and exoplanet transits using robotic telescope array

Speaker

Mr Roman Akhmetshyn

12:15–12:45 **Coffee break**

12:45–13:30

Weather on other worlds: from studying clouds and winds to seeking life

Speaker

Prof. Stanimir Metchev

13:30–13:45

Characterizing the Input Sample for the POET Transiting Exoplanet Microsatellite Mission

Speaker

Ms Samantha Lambier

13:45-14:00

Implementation of Floating Point Arithmetics with Accurate Rounding to the Two Body Problem

Speaker

Ms Burcak Yesilirmak

14:00-14:15

Investigation of planetary systems of WASP, TrES, Qatar and Kepler projects by using transit photometry with O-C parameter tracking and TTV method application on Kyiv Comet Station

Speaker

Mr Mykhailo Solomakha

14:15-14:30

Comparative analysis of observations of the selected exoplanet transits obtained at the Kyiv Comet station, with TESS and Kepler Space Telescopes

Speaker

Ms Mariia Lobodenko

16:30