

**Session Program**

**22-26 Apr 2024**



**30th Young Scientists' Conference on  
Astronomy and Space Physics**

***Solar system & extrasolar planets***

## Tuesday 23 April

14:15

### Solar system & extrasolar planets

Session | Location: | Convener: Olena Shubina

14:15–15:00

#### How exoplanet demographics missions can constrain planet formation

**Speaker**

Dr Clément Ranc

15:00–15:15

#### Simulating planetary systems in star clusters with LPS+ code

**Speaker**

Kai Wu

15:15–15:30

#### The role of the star cluster environment in shaping the dynamical evolution of planets

**Speaker**

Francesco Maria Flammini Dotti

15:30–15:45

#### Probing the possible causes of Transit Timing Variation in TrES-2b using TESS data

**Speaker**

Shraddha Biswas

15:45–16:00

#### Slit and Slit less Transmission Spectroscopy Using 2m Himalayan Chandra Telescope

**Speaker**

Bestha Manjunath

16:00–16:15

#### Habitability study of the exoplanets by characterizing their atmospheres

**Speaker**

Manika Singla

16:15–16:45

#### Coffee-break

16:45–17:00

#### Discovery Of A Relation Between The Planetary Parameters Of Earth, Mars, Jupiter And Saturn

**Speaker**

Rajat Saxena

17:00–17:15

#### Ground-based high-resolution spectroscopic observations & analysis of saturn & rings

**Speaker**

Parvathy Menon

17:15-17:30

**Detection of the C2 Swan bands in the spectrum of the hot Jupiter HAT-P-1b**

**Speaker**

Serhii Pokhvala

17:30-17:45

**Meteorological mapping of a gaseous worlds**

**Speaker**

Roman Akhmetshyn

17:45-18:00

**The Search For Neos As Potential Candidates For Use In Space Missions To Venus And Mars**

**Speaker**

Arsenii Kasianchuk

18:00-18:15

**NUV-VIS spectroscopy of primitive asteroids**

**Speaker**

Sofia Mykhailova

18:15-18:30

**Photometry, polarimetry, spectrometry of the comet of the Jupiter family 108P/ Ciffreo**

**Speaker**

Kateryna Kulish

18:30