

## **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