

Session Program

24-28 Apr 2023

**29th Young Scientists' Conference on
Astronomy and Space Physics**

Stellar astrophysics and interstellar medium

Zoom

Monday 24 April

15:30

Stellar astrophysics and interstellar medium

Session | Location: Zoom | Convener: Mr Roman Akhmetshyn

15:30–16:15

Be Stars as Binary Systems and Methods to Reveal the Secondary Components

Speaker

Prof. Anatoly Miroshnichenko

16:15–16:30

Origin of TIC 229741985 variability

Speaker

Ms Ema Šípková

16:30–16:45

Periodogram analysis from the data of the AAVSO database and the TESS space telescope of the semiregular variable star RX Leporis

Speaker

Mr Andriy Dzygunenko

16:45–17:05

Coffee-break

17:05–17:20

GlobULeS-IV. UVIT/AstroSat detection of extremely low mass white dwarf companions to blue straggler stars in NGC 362

Speaker

Mr Arvind Dattatrey

17:20–17:35

Variability of the Spin Period of the White Dwarf in the Intermediate Polar V405 Aur

Speaker

Dr Vitalii Breus

17:35–17:50

The Great Dimming of Betelgeuse: the atmosphere revealed by envelope tomography during the past 14 years

Speaker

Mr Daniel Jadrlovský

17:50–18:05

Spin-down of He-rich CP stars

Speaker

Mr Xia Zeŕo

18:05–18:20

The chemical evolution of alpha-elements in the Milky Way

Speaker

Ms Blanka Világos

18:20–18:25

Photometric and Spectroscopic Study of BD-02 873

Speaker

Mr Berhan Safa Azizoglu

18:25-18:30

Orbital Solution of Spectroscopic Binary: HD 10259

Speaker

Mr Mehmet Alperen Kul

18:30-18:35

Stellar Parameters of HD 60935

Speaker

Ms Didem Dilan Izci

18:35-18:40

Multi-wavelength study of outbursting cataclysmic variable star CRTS J033349.8-282244 in the LADUMA field using MeerKAT and MeerLICHT

Speaker

Ms Sumari Barocci-Faul

18:40