

Astronomy



81st International Scientific
Conference of the
University of Latvia 2023

Thursday, 16 March 2023 - Thursday, 16 March 2023

Scientific Programme

**Astronomy section
at the 81th Annual Scientific Conference of the University of Latvia
March 16, 2023 (Thursday)**

10.00 Opening speeches

10.10 – 12.45 Morning session (chaired by Ilgmars Eglitis)

- 1) 10.10 – 10.30 Jorge Roberto del Pino Boytel, Janis Kauliņš, Kalvis Salmins
“A proposal for a asteroid 99942 Apophis European multi SLR 2029 observation campaign”
- 2) 10.35 – 11.05 Artis Aberfelds, Ivars Šmelde,
“Structure and variability of three methanol maser sources”
- 3) 11.10 – 11.30 Ilgonis Vilks,
“Astronomijas sekcija Latvijas Universitātes zinātniskajā konferencē, 1963 – 2022”
- 4) 11.35 – 11.55 Boris Ryabov
“Coronal open-field corridors near Solar active regions”
- 5) 12.00 – 12.20 Dainis Dravins
“Searching for another Earth. Solar spectroscopy to enable radial-velocity searches for truly Earth-like exoplanets”
- 6) 12.25 – 12.45 Juris Kalvans,
“Ledainu puteklīšu sašķelšanās starpzvaigžņu miglājos”

12.45 - 13.45 Lunch

13.40 – 18.00 Afternoon session (chaired by Ilgmars Eglitis)

- 7) 13.45 – 14.05 Andris Slavinskis,
“E-sail, ESME and ESTCube”
- 8) 14.10 – 14.30 Dmitrijs Bezrukovs,
“On visibility of “dark coronal corridors” in microwaves”
- 9) 14.35 – 14.55 Andris Slavinskis, Janis Šate, Endija Briede, Kārlis Luksis, Jaan Praks, Mihkel Pajusalu,
“Öpik–Oort cloud Comet Interceptor and its OPIC instrument”
- 10) 15.00 – 15.20 Ilgmars Eglitis, Kristers Nagainis,
“The research NEO and main belt asteroids in Baldone Observatory”
- 11) 15.25 – 15.45 Diana Haritonova, Ansis Zarins, Augusts Rubans,
“Observations of artificial space objects by the optical tracking system of GGI”
- 12) 15.50 – 16.10 Dmitrii Kolotkov,
“Quasi-periodic pulsations in solar flares and stellar superflares”
- 13) 16.15 – 16.45 Janis Kauliņš, Kalvis Salmins, Jorge Roberto del Pino Boytel, Ilgmars Eglitis, Kristers Nagainis, Viesturs Silamiķelis, Maris Abele, Aivis Meijers,
“SLR 1884 Riga, Status Report”
- 14) 16.50 – 17.10 Atis Elsts, Aleksandrs Kalinovskis, Armands Ancāns, Dans Laksis, Vsevolods Stepanovs,
“Technology for High-Precision Measurement of Time-of-Arrival and Amplitude of Events”
- 15) 17.15 – 17.35 Svitlana Shatokhina, V. Andruk, A. Mullo-Abdolv, H. Relke, O. Yizhakevych,
“FON Dushanbe catalog of asteroids as the final stage of the small bodies search on digitized Northern Sky Survey negatives”
- 16) 17.40 -18.00 Тетяна Артеменко,
“The catalog of faint stars as an astrometric international project and the participation of observatories of Ukraine in its implementation”