

Astronomija/Astronomy



**80th International Scientific
Conference of the
University of Latvia 2022**



Wednesday, March 23, 2022 - Wednesday, March 23, 2022

Scientific Program

**Astronomy section
at the 80th Annual Scientific Conference of the University of Latvia
March 23 (Wednesday)**

Astronomy

10.00 Opening speeches

10.10 – 12.45 Morning session (chaired by Ilgmars Eglitis)

- 1) 10.10 – 10.30 *Ilgonis Vilks*,
“Institute of Astronomy of University of Latvia in 25 years”
- 2) 10.35 – 11.05 *Dainis Dravins*,
“Stellar radial velocities without spectroscopy”
- 3) 11.10 – 11.30 *Ilgonis Vilks*,
“Bright flares of navigation satellites”
- 4) 11.35 – 11.55 *Dmitrijs Bezrukovs*
“Microwave observations of the Sun with VIRAC RT-32 radio telescope: Testing of the Low Noise Wideband Spectral Polarimeter”
- 5) 12.00 – 12.20 *Diana Haritonova*, Ansis Zarins, Augusts Rubans,
“Reconfigurable space object optical tracking system of GGI – the first results of observations”
- 6) 12.25 – 12.45 *Artis Aberfelds*, Ivars Shmeld,
“EVN imaging of 3 variable sources IRAS 20126+4104, G90.925+1.486 and V645 Cyg”

12.45 - 13.45 Lunch

13.45 – 17.25 Afternoon session (chaired by Kalvis Salmins)

- 7) 13.45 – 14.05 *Kristers Nagainis*, Ilgmars Eglitis,
“Image processing of asteroids and rotation period calculation from light curves”
- 8) 14.10 – 14.30 *Boris Ryabov*, Arturs Vrublevskis,
“Coronal magnetography of a sunspot surrounded by magnetic flux of opposite polarity”
- 9) 14.35 - 14.55 *Vladislavs Bezrukov*, Artem Sukharev, Mihkail Ryabov, Oleg Ulyanov, Yevhen Strakhov, Ilgmars Eglitis, Vyacheslav Zakharenko, Aleksandr Konovalenko, Arturs Orbidans, Viktor Ozhinskiyi, Dmytro Bakun, Igor Kudzej, Pavol Dubovsky, Sergey Udovichenko, Daniil Zabora,
“Study of peculiar radio galaxy “Perseus A” in radio and optical bands”
- 10) 15.00 – 15.20 *Jānis Šteinbergs*, Kristaps Veitners, Jesus Cazares,
“Pulsar observations with VIRAC LOFAR station and nonlinear electrodynamics”
- 11) 15.25 – 15.45 *Vladislavs Bezrukovs*, Mihkail Ryabov, Artem Sukharev, Ilgmars Eglitis, Valery Galanin, Mykhailo Orlyuk, Vladimir Komendant, Lubov Sobitniak, Oleh Ivantishin, Arturs Orbidan,
“Struve arc” as indicator of the Space Weather - first results”
- 12) 15.50 – 16.10 *Arturs Vrublevskis*, Boris Ryabov,
“Multi-messenger investigations of a sunspot as a source of slow solar wind”
- 13) 16.15 – 16.45 Artem Dmytrenko, *Ilgmars Eglitis*, Olexander Briukhovetskyi, Yevhen Dikov, Vadym Savanevych, Volodymyr Vlasenko,
“The «Lemur» service for the high-precision processing of observations of asteroids, satellites and variable stars”
- 14) 16.50 - 17.10 *Janis Kauliņš*, Kalvis Salmiņš, Jorge del Pino,
“Multi channel detector system for laser ranging telescope LS-105”
- 17.15 – 17.40 Poster session**
- 15) 17.15 – 17.25 *Gulchehra Kokhirova*, Firuza Rakhmatullaeva, Sergio Borysenko, Marek Husarik, Olexandra Ivanova,
“Results of multicolor quasisynchronous observations of active asteroid (6478) Gault”
- 16) 17.30 -17.40 *Gulchehra Kokhirova*, Firuza Rakhmatullaeva, Sergio Borisenko,

“Photometric Features of Comet P/2019 LD2 From Observations at the Sanglokh Observatory”

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