

PROGRAMME | NOVEMBER 12

08:00 – 9:00 Registration and morning coffee

SESSION 1 | Chair: Ivars Šmēlds

09:00 – 9:15 Opening and welcome words

9:15 – 11:00 Session 1 presentations

11:00 – 11:30 Coffee 

11:30 – 12:30 **SESSION 2 | Chair: Artis Aberfelds**

12:30 – 13:30 Lunch 

13:30 – 13:45 Networking

13:45 – 15:00 **SESSION 3 | Chair: Oleg Ulyanov**

15:00 – 15:30 Coffee 

15:30 – 17:30 **SESSION 4 | Chair: Vladislavs Bezrukovs**

17:30 – 17:45 Wrap-up and announcements

18:00 – 21:00 **Dinner at *Pasiekste Windmill***
Bus departs from VUAS car park at 17:45

PROGRAMME | NOVEMBER 13

08:00 – 9:00 Morning coffee

9:00 – 11:00 **SESSION 5 | Chair: Juris Freimanis**

11:00 – 11:30 Coffee 

11:30 – 12:45 **SESSION 6 | Chair: Juris Kalvāns**

13:00 – 14:00 Lunch 

14:00 – 14:30 Free time and networking

Excursion to the Irbene observatory
Bus departs from VUAS car park at 14:30 to the Irbene observatory

14:30 – 18:00

END OF BAASP 2025

SESSIONS | PROGRAMME | NOVEMBER 12

SESSION 1 | Chair: Ivars Šmelds

- 09:00 – 9:15** Opening and welcome words
- 09:15 – 10:00** MSCA Doctoral Network E-Sailors:
Electric solar wind sail doctors.
Keynote Speaker | Andris Slavinskis
- 10:00 – 10:15** Inspiring the next generation of students through
active participation in radio astronomy research via
international partnerships.
Vladislavs Bezrukovs
- 10:15 – 10:30** Cometary activity modelling for ESA's Comet
Interceptor mission.
Gints Jasmonts
- 10:30 – 10:45** Recent developments in Irbene antenna complex.
Artūrs Orbidāns
- 10:45 – 11:00** PauseMaker: Satellite communications with the mowing
object
Manfreds Šneps-Šneppe

SESSION 2 | Chair: Artis Aberfelds

- 11:30 – 11:45** Millennium-scale solar eruptive events:
Extreme space hazards
Keynote Speaker | Ilya Usoskin
- 12:15 – 12:30** Modeling Cosmogenic Isotopes as a Tool to
Study Solar Energetic Events
Kseniia Golubenko

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SESSION 3 | Chair: Oleg Ulyanov

- 13:45 – 14:00** Geomagnetic Disturbances of the Earth's Magnetic Field in the Area of the Struve Geodetic Arc Meridian
Mykhailo Orlyuk
- 14:00 – 14:15** Ionospheric and magnetospheric responses to the 2025 solar eclipses
Artem Sukharev
- 14:15 – 14:30** Preliminary results of observing ionosphere activity using 3C sources
Jānis Šteinbergs
- 14:30 – 14:45** On the programs of monitoring studies of space weather based on radio astronomical and magnetometric observations.
Mikhail Ryabov
- 14:45 – 15:00** A Transformer-Based Forecasting Model for GNSS-VTEC and its Application Study Over Nigeria.
Aghedo Williams Osatare

SESSION 4 | Chair: Vladislavs Bezrukovs

- 15:30 – 15:45** Asteroid Observations from the Minor Planet Center Database: Opportunities and Challenges for Light Curve Analysis
Ilgmars Eglitis
- 15:45 – 16:00** The latest developments and patterns related to space debris issues.
Nansija Jotkus
- 16:00 – 16:15** Paths of formation for interstellar dense cloud cores
Juris Kalvāns
- 16:15 – 16:30** Irradiation-Induced Structural Changes in Amino Acids: A Theoretical Study
Jelena Tamuliene
- 16:30 – 16:45** Introducing the Post-dotctoral project: Revealing the physical mechanism of mass ejection around young massive stars via CH₃OH masers
Artis Aberfelds
- 16:45 – 17:00** Structure and variability of astrophysical masers
Aija Kalniņa
- 17:00–17:15** Visualization Tools for Real-Time Near-Field RFI Monitoring at the LOFAR Station in Irbene
Iñaki Janices
- 17:15 – 17:30** *To be announced*
Naoual Djouhri

SESSIONS | PROGRAMME | NOVEMBER 13

SESSION 5 | Chair: Juris Freimanis

- 09:00 – 09:45** Using Jupiter's Radio Storms to Probe the Solar Corona
Keynote Speaker | Oleg Ulyanov
- 09:45 – 10:00** Solar Eruptions Near Elongated Regions of Open Magnetic Fields
Boris Ryabov
- 10:00 – 10:15** Microwave Observations of Coronal Holes at the 25th Solar Cycle
Dmitrijs Bezrukovs
- 10:15 – 10:30** Advances in Solar Radio Astronomy: Automation and Imaging with the RT-32 Telescope at Iberne
Endika Aguirre
- 10:30 – 10:45** Power-law Indices of EUV Intensity Power Spectrum in Flaring Coronal Active Regions
Sihui Zhong
- 10:45 – 11:00** Exploring VIRAC's Capabilities for Radio Detection of Quasi-Periodic Pulsations in Solar and Stellar Coronae
Vladislavs Bezrukovs

SESSION 6 | Chair: Juris Kalvāns

- 11:30 – 11:45** Variations in the radio continuum emission of high-mass protostars
Ross A. Burns
- 11:45 – 12:00** Temperatures of dust grains in some circumstellar environments
Juris Freimanis
- 12:00 – 12:15** Unraveling the Galactic Evolution of CNO: Precision Abundance Analysis Across Stellar Populations
Markus Ambrosch
- 12:15 – 12:30** Multi-Epoch Radio Variability of BL Lacertae Observed with the Irbene Interferometer and MOJAVE Archival Data
Vladislavs Bezrukovs
- 12:30 – 12:45** Burst hub: get astronomical bursts together
Shijie Zheng