



## Programma/Programme

9.45–10.00	<b>Discussions</b>	
<b>Vadītājs/Chair: Dr.phys Ilgmārs Eglītis</b>		
10.00–10.10	<b>Director Kalvis Salmiņš</b> <i>Institute of Astronomy, University of Latvia</i>	<b>Atklāšana Opening</b>
10.10–10.25	<i>Vladislavs Bezrukovs and 13 co-authours</i>	Variability properties of the Seyfert radio galaxy Perseus A in the radio and optical bands - first results of Latvian-Ukrainian joint research project.
10.30–10.45	<i>Jānis Šteinbergs, K. Veitners, M. Iacobelli</i>	Statistical properties of the Galactic magnetised, warm and ionised medium.
10.50–11.05	<i>Diana Haritonova, A. Zarins</i>	Reconfigurable space object optical tracking system of GGI – implementation stage.
11.10–11.25	<i>Kristaps Veitners, J. Kalvāns</i>	From interstellar medium to star forming molecular cloud cores. Updating collapsing molecular cloud core thermal structure model.
11.30–11.45	<i>Irena Pundure</i>	Par astronomiju Latvijas Universitātē kopš 1997. gada / On astronomy at the University of Latvia since 1997.
11.50–12.10	<b>Coffee break</b>	
<b>Vadītājs/Chair: Dr.phys Ilgmārs Eglītis</b>		
12.10–12.25	<i>Dainis Draviņš</i>	'Ab initio' simulations of stellar spectra.
12.30–12.45	<i>Jānis Kauliņš</i>	Mezofēras mākoņu novērojumi Latvijā 1957.-1983.gadā. / Observations of noctilucent clouds in Latvia in 1957-1983.
12.50–13.05	<i>Boriss I. Ryabov, A. Vrublevskis, D. Bezrukovs</i>	On opportunity to measure magnetic fields in open structures of Solar corona.
13.10–13.35	<i>Dmitrijs Bezrukovs</i>	Microwave Observations of the Quiet Sun with VIRAC RT-32 Radio Telescope During the Solar Activity Minimum.
13.40–13.55	<i>Artis Aberfelds, I. Šmelids, J. Šteinbergs</i>	Four years of methanol maser monitoring with Irbene radio telescopes.

14.00–15.00	<b>Lunch</b>	
<b>Vadītājs/Chair: Director of IA UL Kalvis Salmiņš</b>		
15.00–15.15	<i>Artūrs Vrublevskis, B.I. Ryabov</i>	Reduced microwave brightness temperature in a sunspot atmosphere due to open magnetic fields.
15.20–15.35	<i>Ilgmārs Eglītis, I. Vilks</i>	The results of Online Observatory project.
15.40–15.55	<i>Ilgmārs Eglītis, A. Sokolova</i>	CCD sky survey in the selected zones at the Baldone Observatory.
16.00–16.15	<i>Ilgmārs Eglītis,</i>	Observations of asteroids using the Baldone Schmidt telescope.
16.20–16.35	<i>Normunds Jēkabsons</i>	Observations of OH masers of comets in 1.6 GHz frequency band using the Irbene RT-32 radio telescope and comets.
16.40–16.55	<i>Juris Freimanis, R.Peženkovs</i>	Polarized radiative transfer: Comparison of three independent codes.
17.00–17.20	<b>Coffee break</b>	
<b>Stenda referāti / Poster session, Vadītājs/Chair: Director of IA UL Kalvis Salmiņš</b>		
17.25–17.30	<i>Valeriia Sokolova, A. Vasyunin</i>	Potential importance of experimentally evaluated changes in methanol formation chemistry.
17.35–17.40	<i>Nikolay Satonkin, A Vasyunin</i>	Development of the numerical code for the off-lattice three-dimensional modeling of the evolution of icy mantles of interstellar dust grains.
<b>Īsie ziņojumi / Short report, Vadītājs/Chair: Director of IA UL Kalvis Salmiņš</b>		
17.45–18.15	<i>Ilgmars Eglitis, N.Jekabsons</i>	Half period research results of project Nr. Izp-2018/1-0401.
17.45–18.15	<i>Dmitrijs Bezrukovs, B. Ryabov, A. Vrublevskis</i>	Microwave observations of “dark coronal corridors”.
17.45–18.15	<i>Dainis Draviņš</i>	Zvaigžņu spektroskopija un citplanētu meklēšana.
17.45–18.15	<i>Anna Bule, I.Eglitis</i>	A program for processing spectrum records.
17.45–18.15	<i>Kristers Nagainis, I. Eglītis</i>	Asteroid detection on digitized scans of Baldone Observatory (code 069) Schmidt telescope archive.
17.45–18.15	<i>Anton I. Vasyunin, M. Kiskin</i>	Formation and Evolution of Organic Molecules in Protoplanetary Disks.
18.15–18.30	<b>Sekcijas noslēgums, diskusijas Conclusion of session, discussions</b>	