

The 14th Finnish-Russian Radio Astronomy Symposium programme

Small changes possible.
Updated: 28.8.2018

WEDNESDAY

8:30 Breakfast and/or arrival		
9:00 Registration & coffee		
9:30 Opening & Session: News from Ratan		
9:30	A. Stepanov, J. Tammi	Welcome
9:50	S.A. Trushkin, S.N. Fabrika, P.G. Tsybulev, N.A. Nizhelskij, N.N. Bursov	The first experience of the FRB search with RATAN-600 at 4.7 GHz
10:10	V.M.Bogod, T.I.Katman, M.A. Lukicheva	About solar transition region structure according ALMA and RATAN-600 observations
10:30 Coffee		
11:00 Solar structure and physics theory		
11:00	Solov'ev A.A.	Model of solar faculae
11:20	Vitaly Kocharovskiy, Vladimir Kocharovskiy, Vladimir Martyanov, Sergey Tarasov	Anisotropy of synchrotron radiation of the self-consistent current structures: the breaks and the hidden components
11:40	Tlatov A. G., Riehookainen A.	Analysis of the properties of coronal holes in the 24-th cycle of activity
12:00 Lunch		
13:30 Solar flares - theory and modelling		
13:30	E.P. Ovchinnikova, Yu.E. Charikov, A.N. Shabalin	Electron beam and plasma at the looptop of solar flare of 2017-09-10 15:52 X8.2.
13:50	Morgachev A.S., Tsap Yu.T., Motorina G.G., Smirnova V.V.	On the positive spectral slope of solar flare mm emission observed with RT-7.5 radio telescope: simulation and interpretation
14:10	A. V. Shain, A. S. Morgachev, V. F. Melnikov	Identification of quasi-transverse propagation effect for solar flare microwave emission
14:30 Coffee		
15:00 Microquasars, stars, and star forming regions		
15:00	Mika Saajasto, M. Juvela, L. Tie and the TOP-SCOPE collaboration	Molecular line observations of star forming regions
15:20	A.V.Stepanov, V.V.Zaitsev	Quiescent and Flaring Radio Emission from Brown Dwarfs
15:40	Trushkin S.A., Tsybulev P.G., Nizhelskij N.A.	New results of the long-time monitoring of microquasars
16:00	Koljonen, K. I. I., Maccarone, T., McCollough, M. L., Gurwell, M., Trushkin, S. A., Pooley, G. G., Piano, G., Tavani, M.	Major radio flaring episodes of microquasar Cygnus X-3
16:20 End		
17:00 Dinner		
19:00 Excursion: Science Centre Tuorla & Brewery		

THURSDAY

8:30 Breakfast		
9:30 Solar flares and pulsations		
9:30	Kurochkin E.A., Bogod V.M., Shendrik A.V., Svidskii P.M.	Methods of improving the prediction of solar flares in the microwave waveband
9:50	A.D.Shramko, A.G.Tlatov, S.A. Guseva	Forecast of solar flares from observations in microwave at Kislovodsk station
10:10	Elena Kupriyanova, Larisa Khashpova, Dmitrii Kolotkov, Dmitriy Zhdanov, Anastasiya Kudryavtseva, Alena Kuleshova	Quasi-periodic pulsations of radio emission in solar flares
10:30	Silja Pohjolainen, Nasrin Talebpour Sheshvan	Directivity of solar type IV bursts
10:50 Coffee		
11:10 Solar oscillations and magnetic features		
11:10	T.I.Katman, V.M.Bogod	Different types of solar active region magnetospheres observed in microwaves
11:30	A.Riehookainen, V.Smirnova, A. Solov'ev, P. Strelalova, I. Zhivanovich	Oscillatory properties of the solar small-scale magnetic structures
11:50	I.Zhivanovich, A.Riehookainen, A.A.Solov'ev, V.I. Efremov	Quasi-periodic oscillations of the small-scale magnetic structures and specific method of measurement of the differential rotation of the Sun
12:10	V.V. Zaitsev, P.V. Kronshtadtov	Constancy of the coronal magnetic loop cross section
12:30 Lunch		
14:00 Mapping the Sun and active regions		
14:00	M. Lebedev, V.Khaikin, A. Storozhenko, N. Bursov, Ch. Letrou, A. Boag and A. Shendrik	Methodical results of RATAN-600 Sun observations in tracking (scanning) mode
14:20	V. V. Smirnova, V. S. Ryzhov, Yu. T. Tsap, A. S. Morgachev, G. G. Motorina, V. G. Nagnibeda	Observations of mm radio emission from M-class solar flares with RT-7.5 radio telescope
14:40	Gumerov A.R., Storozhenko A.A.	WWW-interface for controlling parameters of RATAN-600 spectrograph in remote access.
15:00 Coffee		
15:20 Long-term observations of the Sun		
15:20	Juha Kallunki, Merja Tornikoski, Joni Tammi	Forty years of solar radio observations at Metsähovi Radio Observatory
15:40	Sami Kivistö	Image recognition for historical solar maps
16:00	Tlatova K.A., Tlatov A.G., Pevtsov A.A.	Tilt of sunspot bipoles in 15-24 cycles of solar activity
16:20	Pippa Ilja, Tammi Joni, Kallunki Juha	Open database of solar flare events in 11.2GHz
16:40 End		
18:00 Smoke sauna and Conference dinner		

FRIDAY

8:30 Breakfast		
9:30 Active Galactic Nuclei - long term monitoring and variability		
9:30	Yu.V.Sotnikova, M.G.Mingaliev, E.K.Majorova, A.K.Erkenov	Long-term study of the GPS objects in a wide frequency range
9:50	V.K. Konnikova, M.G.Mingaliev, A.K.Erkenov	Spectra and variability of sources from the JVAS survey
10:10	A. G. Gorshkov, A.V. Ipatov, I.A. Ipatova, V. K. Konnikova, V. V. Mardyshekin, M. G. Mingaliev, and M. A. Kharinov	Long-Term and Rapid Radio Variability of the Blazar 3C 454.3 in 2010–2017
10:30	V. Fallah Ramazani	The broad-band properties of the intermediate synchrotron peaked BL Lac S2 0109+22 from radio to VHE gamma rays
10:50 Coffee		
11:20 Active Galactic Nuclei - long term monitoring and variability		
11:20	Elina Lindfors	Fast Very High Energy γ -ray Flare from BL Lacertae during a Period of Multiwavelength activity in June 2015
11:40	E. Järvelä, A. Lähteenmäki, M. Berton	Host galaxy morphologies of jetted narrow-line Seyfert 1 galaxies
12:00	Rafael J.C. Vera, M. Tornikoski, A. Lähteenmäki	Results in the clustering analysis of radio peaked spectrum sources
12:30 Lunch		
13:50 Active Galactic Nuclei - high angular resolution		
13:50	Alexander Pushkarev	Polarized emission properties of active galactic nuclei jets
14:10	Tuomas Savolainen	Zooming in the jet formation site in the nearby active galactic nuclei using RadioAstron
14:30	Talvikki Hovatta, Shane O'Sullivan, Ivan Marti-Vidal, Tuomas Savolainen, Alexander Tchekhovskoy	ALMA view of the nearest quasar 3C273
14:50	Chamani Wara, Tuomas Savolainen	Time Variability of the Core-Shift Effect in the Blazar 3C454.3
15:10	A. Stepanov, J. Tammi	Closing remarks
15:20 End of conference		
15:30 Transport to Turku train station		