

VERSIM-2018 CONFERENCE PROGRAMME				
Arrival 18th, Conference 19th March 2018 to 23th March 2018				
Sessions: D-region, E/F regions, Lightning, Instruments/measurements, Magnetosphere, Radiation Belts, Laboratory modeling, Posters				
From	To:	Presented by:	Abstract Title:	Session
Sunday 18th March				
<i>Arrivals, accommodation, recreation</i>				
Monday 19th March				
9:00	9:40	Registration		
9:40	9:50	Dr Andrei Demekhov Opening, LOC announcements		
9:50	10:20	Dr Boris Kozelov Presentation of Polar Geophysical Institute and geophysical observations in Russia		
10:20	11:00	Tea Break		
Chair: Robert Moore				
11:00	11:20	Ms Liliana Macotela Sporadic VLF amplitude perturbations in the high latitude D-region ionosphere		D
11:20	11:40	Mr Tamás Bozóki External excitation of the Earth-ionosphere cavity resonator by plasmaspheric hiss		D
11:40	12:00	Ms Liliana Macotela Characterization of polar D-region ionospheric variability using wavelet analysis		D
12:00	12:20	Dr Olga Lebed Estimation of the high-latitude lower ionosphere electron density profile using ground-based VLF observations in ionosphere heating experiments		D
12:20	14:20	Lunch - get your own in Town		
Chair: Mark Clilverd				
14:20	14:40	Mr Aleksandr Nikitenko Spatial structure and statistical properties of VLF emissions by ground-based measurements in high latitude		D
14:40	15:00	Dr Robert Moore Nonlinear simulations of ionospheric heating		D
15:00	15:20	Prof Yasuhide Hobara Modelling and prediction of D region characteristics using nonlinear autoregression and neural network		D
15:20	15:40	Dr Vitaly Bogomolov Gamma-ray flashes from polar atmosphere as observed in Vernov and Lomonosov missions		L
15:40	16:20	Tea Break		
Chair: Yasuhide Hobara				
16:20	16:40	Dr Pavel Klimov UV atmospheric transient events measured by the TUS detector on board Lomonosov satellite with high temporal resolution		L

16:40	17:00	Dr Robert Moore Radio signatures of sprites and gigantic jets	L
17:00	17:20	Prof Yasuhide Hobara Lightning electrical property deduced from high speed photometric observations from space station	L
17:20	17:40	Dr Robert Moore A statistical analysis of conjugate LEP	L
18:00 20:00 Ice-breaking party			
Tuesday 20th March			
Chair: Frantisek Nemeč			
9:40	10:00	Dr David Shklyar Spectral features of natural VLF emissions in the equatorial region of upper ionosphere as observed by the DEMETER satellite	E
10:00	10:20	Mr Jan Zahlava DEMETER observations of ELF whistler events with a reduced intensity	E
10:20 11:00 Tea Break			
Chair: David Shklyar			
11:00	11:20	Ms Barbara Bezdekova Influence of interplanetary shocks on ELF/VLF waves observed in the Earth's magnetosphere	M
11:20	11:40	Prof Jacob Bortnik Reconstruction of inner magnetospheric density, waves, and particle fluxes based on neural network technique	M
11:40	12:00	Dr Andrei Demekhov Conjugate ground-spacecraft observations of VLF chorus elements	M
12:00	12:20	Dr Lilla Juhász Feasibility studies of "ACHDANet" - How ground- observed chorus and hiss emissions can be used for space weather forecast?	M
12:20 14:20 Lunch - get your own in Town			
Chair: Andrei Demekhov			
14:20	14:40	Prof Natalia Kleimenova Auroral hiss during magnetic	M
14:40	15:00	Prof Natalia Kleimenova Bursts of auroral hiss observed on the ground at L~5.5 and optical auroras: A case study	M
15:00	15:20	Dr Jyrki Manninen New findings from auroral hiss	M
15:20	15:40	<i>Poster Presentation (5 minutes each)</i>	
		Mr David Koroncay Influence of solar flares on ionospheric absorption observed in ionosonde and satellite VLF measurements	P
		Dr Jyrki Manninen Suppression of VLF hiss induced by whistler echo trains observed at Kannuslehto, Finland	P
		Dr Jyrki Manninen Sudden enhancements of PLHRs observed at Kannuslehto, Finland	P
		Dr Vladimir Belakhovsky Acceleration of the electrons to the relativistic energies during the geomagnetic storms and without it	P
15:40 16:20 Tea Break, poster viewing			

Chair: János Lichtenberger			
16:20	16:40	Dr Jyrki Manninen Banded structures observed during evening and night times	M
16:40	17:00	Dr Frantisek Nemec Quasiperiodic modulation of magnetospheric plasma waves	M
17:00	17:20	Mr David Koroncay Long-term study of ducted VLF transmitter pulses observed in space	M
17:20	17:40	Dr Vratislav Krupar On solar wind - magnetosphere interactions: a statistical survey of lion roars observed at the terrestrial bow shock	M
17:40	18:00	Dr Evgenii Shirokov Scattering of quasi-electrostatic waves on spacecraft-borne antennas in the near-Earth plasma	I
19:00 20:00 Concert			
Wednesday 21st March			
Chair: Natalia Kleimenova			
9:40	10:00	Dr Jyrki Manninen Results of two latest ELF-VLF campaigns at Kannuslehto, Finland	I
10:00	10:20	Dr Yuri Fedorenko Precisely synchronized high-latitude network of ELF/VLF 3-component receivers	I
10:20 11:00 Tea Break, poster viewing			
Chair: Claudia Martinez-Calderon			
11:00	11:20	Prof János Lichtenberger First results on reprocessing of AWDANet data	I
11:20	11:40	Dr Mark Clilverd VLF observations of transformer saturation observed in New Zealand during the 7-8 September 2017 geomagnetic storm period	I
11:40	12:00	Dr Vladimir Mochalov Sensor network for the VLF-range electromagnetic radiation monitoring	I
12:00	12:20	Dr Vladimir Mochalov The database of registered whistlers detected in the Russian Far East	I
12:20 14:30 Lunch - get your own in Town			
14:30 21:00 EXCURSIONS & free time			
Thursday 22nd March			
Chair: Elena Titova			
9:40	10:00	Dr Claudia Martinez-Calderon Characteristics of QP emissions: conjugate event between Arase (ERG) and Kannuslehto, Finland	M
10:00	10:20	Dr Péter Steinbach Evaluation of latitude dependent time of trans-ionospheric ELF/VLF impulse propagation and LEO incident directions	M
10:20 11:00 Tea Break			

Chair: Vincent Maget			
11:00	11:20	Prof Yoshiharu Omura Generation mechanism of whistler-mode hiss emissions	M
11:20	11:40	Dr Boris Kozelov Characteristics of the electron fluxes causing the pulsating auroras associated with VLF waves	M
11:40	12:00	Dr Mitsunori Ozaki Equatorward drifting electron/proton auroras related with spectral characteristics of chorus/EMIC waves observed at subauroral latitudes	M
12:00	12:20	Dr Yuto Katoh Electron hybrid simulation of the whistler-mode chorus generation in the Earth's inner magnetosphere	M
12:20	14:20	Lunch - get your own in Town	
Chair: Yoshiharu Omura			
14:20	14:40	Dr Mark Clilverd Electron precipitation from the outer radiation belt during the St Patrick's Day storm	D
14:40	15:00	Dr Elena Titova Conjugate ground and Van Allen Probes observations of narrow-band VLF emissions	M
15:00	15:20	Dr Dmitry Pasmanik Influence of artificial large scale inhomogeneity on the amplitude variation of VLF waves during their propagation in the Earth's ionosphere and	M
15:20	15:40	Dr Vincent Maget On the balance between radial diffusion and wave particle interaction in driving the electron radiation belts dynamics	R
15:40	16:20	Tea Break	
Chair: Jacob Bortnik			
16:20	16:40	Dr Vasily Petrov The global distribution of sub-relativistic electron fluxes and VLF EM waves in the near-Earth space as measured in Vernov mission	R
16:40	17:00	Dr Sergey Svertilov Short-time variations of electron fluxes and VLF EM waves in the near-Earth space from RELEC Vernov data	R
17:00	18:00	Panel discussion	
19:00	22:00	Conference Dinner	
Friday 23rd March			
Chair: Mitsunori Ozaki			
9:40	10:00	Dr Veronica Grach Resonant interaction of relativistic electrons with electromagnetic ion-cyclotron waves in the Earth radiation belts	R
10:00	10:20	Dr Alexander Kozlovsky Ionospheric oscillations associated with Pc5 geomagnetic pulsations and role of ELF/VLF waves	R
10:40	11:00	Tea Break	

Chair: Yuto Katoh			
11:00	11:20	Prof Jacob Bortnik Excitation and analysis of whistler waves in a laboratory plasma and comparison to observations in space	Lab
11:20	11:40	Dr Mikhail Gushchin Simulation of low-frequency space plasma physics phenomena on large KROT magnetoplasma device	Lab
11:40	12:00	Dr Mikhail Viktorov Observation of multiple chirping events in electron cyclotron emission of non-equilibrium mirror-confined plasma	Lab
12:00	12:20	Dr Mikhail Viktorov Observation of whistler waves frequency modulation in a mirror-confined laboratory plasma	Lab
12:20	14:20	Lunch - get your own in Town	
14:20	15:20	VERSIM BUSINESS MEETING Those not involved can take a longer lunch	
15:20	15:30	Conference closing	
15:30	0:00	Closing tea, free discussions, additional excursions if wanted	
Saturday 24th March Meeting over			