

21.10.2018 - arrival

22 .10.2018

9:30 - 10:00 - **opening of the conference** : I. Stanisławska, L. M. Zelenyi, V. D. Kuznetsov

10:00 - 10:30 - **H. Rothkaehl**: Space plasma radio diagnostics, new results and future trends.

10:30 - 11:00 - **V. D. Kuznetsov**: Local measurements in the "Interhelioprobe" project and new solutions for shocks in solar wind.

11:00 - 11:30 - coffee break

11: 30 - 12:00 - **M. Mogilevskiy**: ” Radiation” project.

12: 00 - 12:30 - **S. Klimov**: Plasma wave diagnostics of ELF-VLF emission in the ionosphere. The main results of the "PWO" project on the microsatellite.

12: 30 - 13:00 - **S. A. Pulinets**, H. Rothkaehl, N.G. Kotonaeva, N. P. Danilkin, M. S. Pulinets:

“Ionosonde LAERT - the new level of the ionosphere monitoring using the three types of vertical sounding, resonance properties of the ionospheric plasma and HF radiospectrometry”.

13: 00 - 13: 30 - I. Shagimuratov, **A. Krankowski**: Diagnostyka jonosfery przy użyciu obserwacji GNSS.

13:30 - 14:30 - lunch

14:30 - 15:00 - **A. Popov**, B. Atamaniuk, P. Morozov, D. Edemsky, I. Prokopovich: Deep penetration subsurface radar: terrestrial and planetary possibilities.

15:00 - 15:30 - A. Popov, B. Atamaniuk, **I. Krasheninnikov**: Trapping of sensing radio waves in an artificial large-scale ionospheric cavity in the experiments with high powerful wave’s beams.

15:30 - 16:00 - **A. S. Volokitin**, B. Atamaniuk: Whistler propagation in plasma with small-scale density fluctuations.

16:00 - 16:30 - **R. Schreiber**: (E)lectron (C)yclotron (M)aser (I)nstability or the directivity of the EM radiation in the real world.

16: 30 - 17:00 - **S. I. Popel**, L. M. Zelenyi, B. Atamaniuk, A. S. Volokitin: New Results on Dusty Plasmas at the Moon and Martian Satellites.

17: 00 - 17: 30 - **M. Grzesiak**, D. Przepiórka, M. Pożoga, B. Matyjasiak, H. Rothkaehl, K. Budzińska and R. Wronowski: Lofar scintillation measurements.

18:00 - welcome party

23.10.2018

10:00 - 10:30 - **J. Sylwester**, B. Sylwester, M. Kowaliński, S. Kuzin, V. D. Kuznetsov and K. J. H. Phillips: Highly ionized calcium and Argon X-ray spectra from a large solar flare.

10:30 - 11:00 - **J. Sylwester**, A. Awasthi, B. Sylwester, F. Reale and Rui Liu:
Hydrodynamical 1D modeling of flaring loops during a B8.3 flare on July 04, 2009

11:00 - 11:30 - B. Sylwester, **J. Sylwester**, M. Siarkowski and K. J. H. Phillips: Is a hot plasma component present in the solar corona during periods of the lowest activity?

11: 30 - 12: 00 - coffeebreak

12: 00 - 12: 30 - **T. Mrozek**, S. Gburek, M. Siarkowski, B. Sylwester, J. Sylwester, A. Kępa, M. Gryciuk: Solar Microflares Observed by SphinX and RHESSIM.

12: 30 - 13: 00 - **M. Steślicki**, J. Sylwester, M. Siarkowski, Ż. Szaforz, S. Płoceniak, J. Bąkała, J. Barylak, P. Podgórski, D. Ścisłowski, M. Kowaliński: SOLPEX: Solar soft X-rays spectroscopy using Bragg crystals.

(M. Steślicki - presenting the paper) P. Podgórski, J. Sylwester, and O. V. Dudnik:
Dynamics of the outer radiation belt during geomagnetic substorm as seen by CORONAS Photon satellite instruments.

13:00 – 14:00 - lunch

14:00 - 14:30 – **M. Gryciuk**: Flare Characteristics from X-ray Light Curves.

14:30 - 15:00 - S. V. Kuzin, N. F. Erkhova, S. Yu. Dyatkov, I. P. Loboda, **A. S. Kirichenko**, A. A. Pertsov, A. A. Reva, A. S. Ulyanov, E. A. Vishnyakov: Experiment "Kortes" on the International Space Station.

15:00 - 15:30 - I. Stanisławska and **T. L. Gulyaeva**: Project on Ionospheric Weather: Current status and expected progress.

15:30 - 16:00 - **M. Kowaliński**, D. Ścisłowski, P. Podgórski, M. Steślicki: Soft X-ray detectors for novel Bragg spectrometers and polarimeters.

16:00 - 16:30 - **M. Kowaliński**, O. V. Dudnik, I. V. Lazarev, J. Sylwester, M. Siarkowski:
Desirability orienting the axes of crystalline organic scintillators for registration of charged space radiation.

24.10.2018

10:00 - 10:30 - **A. Pozanenko**: Search and observation of electromagnetic counterparts of LIGO/Virgo gravitational wave events.

10:30 - 11:00 - **A. Smirnov**, E. Golubev, M. Arhipov, N. Myshonkova, S. Fedorchuk, N. Babakin, S. Likhachev, L. Likhacheva, E. Filina, B. Kanevsky, A. Biryukov, A. Baryshev, Thijs de Graauw, A. Ozolin, A. Kiselev and N. Kardashev on behalf of Millimetron team: Millimetron Space Observatory.

11:00 - 11:30 - **M. Shatskaya**, A. Abramov, S. Likhachev, S. Seliverstov, D. Sychev, N. Fedorov: Data Processing Center for space VLBA missions.

11:30 - 12:00 - **summary and closing of the conference.**

12:00 - **continuation of the discussion combined with a cultural event.**