



## **Simultaneous solar observations by using space missions and ground-based low frequency radiotelescopes**

A.A. Konovalenko (1), A.A. Stanislavsky (1), H.O. Rucker (2), A. Lecacheux (3), J.-L. Bougeret (4), M.L. Kaiser (5), E.P. Abranin (1), V.V. Dorovsky (1), V.N. Mel'nik (1), D.V. Mukha (1), and the A.A. Konovalenko Team

(1) Institute of Radio Astronomy, Decameter Radio Astronomy Department, Kharkov, Ukraine (akonov@ri.kharkov.ua, +38 057 7061415), (2) Space Research Institute, Graz, Austria, (3) Departement de Radioastronomie, Observatoire de Paris, France, (4) LESIA, Observatoire Paris-Site de Meudon, France, (5) NASA GSFC, Greenbelt, USA

We present some results of synchronous solar radio observations by STEREO-WAVES instrument (frequency range 1-16 MHz) and the UTR-2 radiotelescope (10-30 MHz) during 2007-2008. This approach gives many advantages in the corona studies especially for the solar activity minimum. We are using also simultaneous observations with one elementary antenna for calibration and increasing of accuracy in the flux density determination. This method is useful for the existing space solar missions and largest low-frequency radiotelescopes with the overlap of frequency range as well as for the future ones (Solar Orbiter, LOFAR, LWA, LSS, GURT, etc.).