

**Center for Atmospheric Research, Radio Sounding and Plasma Physics Symposium
Sunday, 29 April 2007**

<u>Time</u>	<u>Confirmed Speaker</u>	<u>Presentation</u>
7:30-8:00		Breakfast
8:00-8:15	Song/Foster UMLCAR/MIT, USA	Welcome
<u>Session Chair: Paul Song</u>		
8:15-8:35	Green, J. NASA HQ, USA	<i>Struggle to get RPI on IMAGE and Bodo's role</i>
8:35-8:55	Benson, R. NASA GSFC, USA	<i>Plasma Physics using space-borne radio sounding</i>
8:55-9:15	Carpenter, D. Stanford, USA	<i>Highlights of RPI sounding of the plasmasphere and polar regions at frequencies in the whistler and Z-mode domains</i>
9:15-9:35	Gallagher, D. NASA MSFC, USA	<i>IMAGE RPI reawakens plasmaspheric refilling research</i>
9:35-9:55	Fung, S. NASA GSFC, USA	<i>RPI and Measurement of Magnetospheric Field-Aligned Density</i>
9:55-10:10		Break
<u>Session Chair: John Foster</u>		
10:10-10:30	Pfaff, R. NASA GSFC, USA	<i>The Great Promise of Space-Based Sounders in the Earth's Ionosphere</i>
10:30-10:50	Bilitza, D. Raytheon, USA	<i>The importance of topside and bottomside sounding measurements for the development and updating of IRI</i>
10:50-11:10	Galkin, I. UMLCAR, USA	<i>A tribute to the ARTIST: ionogram autoscaling research at UMLCAR</i>
11:10-11:20	Zolesi, B. Istituto Nazionale di Geofisica Italy	<i>From COST 238 to COST 296: four European COST actions on Ionospheric Physics and Radio Propagation</i>
11:20-11:40	Mendillo, M. Boston University, USA	<i>Martian ionosphere</i>
11:40-1:00		Lunch

Session Chair: Michael Mendillo

- 1:00-1:20 Cannon, P. *A random walk in science and engineering: from the Qinetiq, UK Digisonde to the HF Communications Modem*
- 1:20-1:40 McKinnell, L. *The progress of the South African ionosonde network*
Rhodes Univ., S. Africa
- 1:40-2:00 Buresova, D./Boska, J. *Fifty years of ionospheric research at Pruhonice*
Inst. Atmos. Physics, Czech Rep.
- 2:00-2:20 Galushko, V. *Frequency-and-angular sounding of the ionosphere (FA SI)*
Radio Astronomy Inst. *as applied to the DPS-system*
Ukrainian Academy of Sci.
- 2:20-2:40 Break

Session Chair: Dieter Bilitza

- 2:40-3:00 Vasyliunas, V. *The plasma frequency as the boundary between plasma physics*
Max-Planck-Institut Aeronomie *and single-particle electrodynamics*
Germany
- 3:00-3:20 Foster, J. *Global Coupling across the Stormtime Ionosphere*
MIT, USA
- 3:20-3:40 Zhang, S. *Incoherent scatter radar databases and ionospheric modeling*
MIT Haystack Observatory, USA
- 3:40--4:00 Liu, R. *Progress of the Ionospheric Studies in China*
Upper Atmospheric Physics Div.
Polar Research Institute of China
- 4:00-4:20 Hsiao, C. C. *Ionosphere observation by using the ionosonde and*
Taiwan *Formosat-3/COSMIC data during December 2006 campaign*
- 4:20-4:40 Webb, P. *Extracting Ion information from ISIS Topsider-Sounder*
GEST/UMBC, USA *Electron Density Profiles*