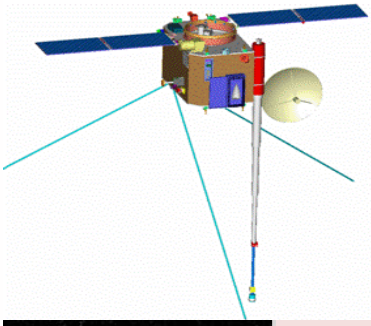
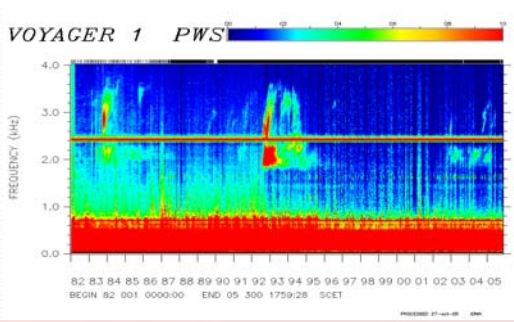
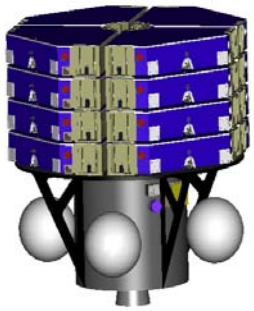
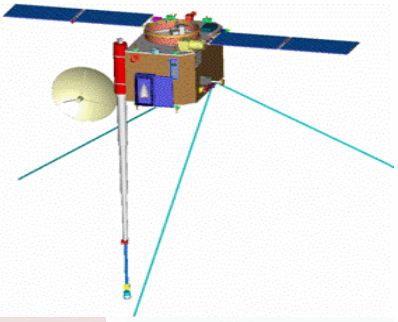
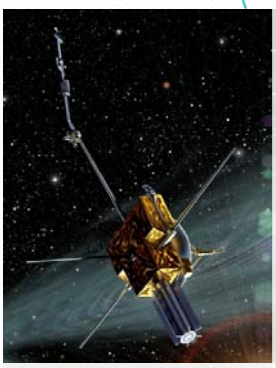






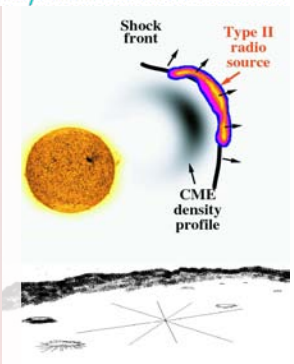




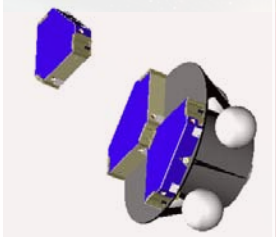
American Geophysical Union Spring 2006 Special Session SH03

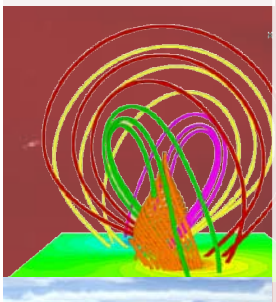
May 23 - 26, 2006, Baltimore, Maryland

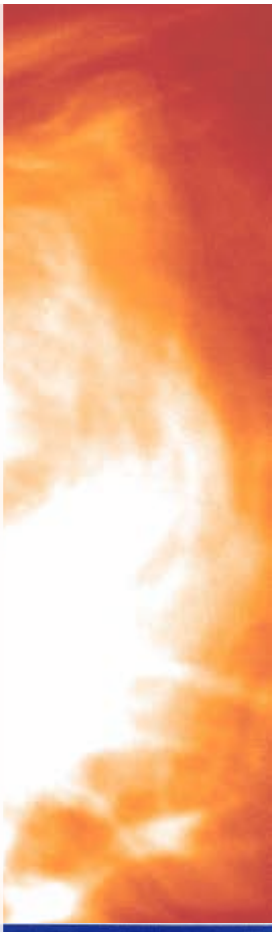
RADIOPHYSICS OF THE CORONA AND HELIOSPHERE



This session provides the opportunity for presentations relating to solar coronal and heliospheric phenomena that generate or are otherwise associated with radio waves. Radio physics in the heliosphere is at an exciting juncture with development of several new ground-based arrays (LOFAR, LWA, MWA, FASR), the imminent launch of STEREO, and calls for a radio observatory on the far side of the moon. The session will be structured around several invited papers on (1) CMEs and their associated radio emissions, (2) shocks, particle acceleration, solar energetic particles, and Type II bursts, (3) low frequency radio emissions throughout the heliosphere, and (4) the current status and future of solar radio astronomy instrumentation. We are seeking contributed papers on topics related to (a) new observations and analysis of radio emissions throughout the heliosphere, (b) CME, shock, and particle acceleration observation and theory that relate to radio physics, (c) theories of radio emission mechanisms, (d) applications of solar and heliospheric radio bursts, such as space weather forecasting, and (e) reports on present and future radio observatories, from ground-based to spacecraft and lunar-based.







Convenors:
Robert Duffin (George Mason University/Naval Research Laboratory)
Dale Gary (New Jersey Institute of Technology)
Nat Gopalswamy & Robert MacDowall (NASA Goddard Space Flight Center)
Stephen White (University of Maryland, College Park)

For more information, contact: Robert Duffin, Naval Research Laboratory, phone: 202-767-1643; email: Robert.Duffin@nrl.navy.mil

Abstracts due to AGU (agu.org/meetings/ja06) by March 1, 2006 at 23:59 UT