

## FOREWORD

The 6<sup>th</sup> International Workshop on “Planetary and Solar Radio Emissions” is now an established tradition: This PRE VI conference was a continuation of successful international workshops held at Graz, Austria, in 1984, 1987, 1991, 1996, and 2001. This 6<sup>th</sup> workshop in April 2005 offered the unique opportunity to discuss the observations from Cassini approaching Saturn and to investigate the measurements retrieved during the first orbits of Cassini around Saturn after Saturn Orbit Insertion on July 1, 2004.

A number of contributions deal with these novel findings putting Saturn and its radio wave phenomena, in particular the Saturn Kilometric Radiation SKR and the Saturn Electrostatic Discharges SEDs, into the focal point of interest. However, other planetary radio components from Earth and Jupiter have also been addressed, the latter under the aspect on the occasion of a great anniversary: April 2005 was almost exactly 50 years after the serendipitous discovery of Jupiter as a radio emitter, by Bernie Burke and Ken Franklin, both with contributions of personal reminiscences in this proceedings, and Bernie personally attending the workshop.

Solar electromagnetic radiation, in many aspects different with regard to planetary radio emission, was highlighted by the upcoming NASA Stereo mission which will, for the first time provide a stereoscopic view of the sun and its environment. Theoretical studies as well as papers on ground-based observations (including the discussion on the potential detection of radio emission from exoplanets) contribute to this volume.

Another new standard has been set in the PRE “Silver Series” of the Austrian Academy of Sciences Press: For the first time, the proceedings PRE VI have been edited and peer reviewed. In addition, a complete set of CDs of all PRE volumes I – VI comes along with the production of this volume, comprising more than two decades of planetary and solar radio science.

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