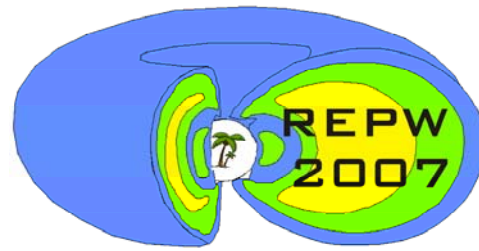


REPW 2007

Rarotonga Energetic Particle Workshop
6-10 August 2007
Rarotonga , Cook Islands



Monday 6 August 2007

Icebreaker and welcome function at 6:30 pm at the "Blue Lagoon" (marquee situated on the sundeck overlooking the lagoon), next to restaurant "Te Vaka".

Tuesday 7 August 2007

Note: our meeting venue is the "Treetops Room" at The Rarotongan Beach Resort & Spa

9:00 am	Welcome from Craig and Anthony Housekeeping announcements	
9:20 am	Anthony Chan	Recent Results from Theory and Modeling of Radiation Belt Electron Transport, Acceleration and Loss
10:15 am	Richard Horne	Electron acceleration in the Van Allen radiation belts by fast magnetosonic waves
11:20 am	Morning Tea break	
11:40 am	Jay Albert	Quasilinear Diffusion Calculations: Fast And/OR Accurate
1:20 pm	Lunch break	
2:30 pm	Mark Clilverd	Ground-based transmitter signals observed from space: ducted or nonducted?
3:35 pm	afternoon tea	
3:45 pm	Mike Wiltberger	Advances in Magnetospheric Modelling
4:30 pm	Geoff Reeves	Latest Results from the DREAM Model (part I)
5:20 pm	End of day	

Wednesday 8 August 2007

9:00 am	Geoff Reeves	Latest Results from the DREAM Model (part II)
10:00 am	Brian Fraser	Electromagnetic Ion Cyclotron Waves in the magnetosphere: Wave and plasma properties
11:20 am	Morning Tea break	
11:30 am	Louis Ozeke	The equatorial pitch-angle dependence on the energization and radial transport of radiation belt electrons by poloidal ULF Alfvén wave
12:30 pm	Lunch break	
2:00 pm	Vania Jordanova	Effects of EMIC Wave Scattering on Energetic Ions and Electrons
3:20 pm	afternoon tea	
3:30 pm	Reiner Friedel	Pitch angle evolution of energetic electrons at geosynchronous orbit during dropouts
4:10 pm	Richard Horne	Electron acceleration inside Jupiter's radiation belt and the origin of synchrotron radiation
5:00 pm	End of day	

REPW evening banquet. We will join the Rarotongan Resort's "Legends of Polynesia" Island Night Umu Feast & Show. The fire pit oven is unearthed at 6.30 pm, the Umu Banquet is laid out at 7 pm, and the Drum Dance Show featuring the Orama Dance Troupe begins at 8 pm.

Thursday 9 August 2007

9:30 pm	Craig Rodger	Observation of radiation belt losses into the ionosphere
10:30 am	Craig Kletzing	Waves in the Earth's Radiation Belt: The electric and magnetic field instrument suite with integrated science on the Radiation Belt Storm Probes
11:45 am	Morning Tea	
11:45 am	Jacob Bortnik	Modelling the propagation characteristics of chorus and its effect on the radiation-belts
1:20 pm	Lunch break	
2:30 pm	Rory Gamble	Radiation belt electron precipitation due to manmade VLF transmissions: satellite observations
3:45 pm	afternoon tea	
4:05 pm	Richard Thorne	Dynamic evolution of energetic outer zone electrons due to wave-particle interactions during storms
5:20 pm	End of day	

Friday 10 August 2007

9:00 am	Scot Elkington	Stormtime plasmashet access to the inner magnetosphere
10:00 am	Group photo by beach	
10:15 am	Nigel Meredith	Slot region electron loss timescales due to plasmaspheric hiss and lightning generated whistlers
11:00 am	Morning Tea break	
11:20 am	Geoff Reeves	Discussion on conference report/ synthesis publication
12:30 pm	End of workshop (comments from Anthony and Craig)	