

Monday 28 July	
9:00-10:30	<p>1. Influence of the solar wind on the inner magnetosphere (Dan Baker, Tuija Pulkkinen)</p> <p><i>Brief presentations:</i></p> <p>Dan Baker: <i>Losses of electrons from the inner magnetosphere</i></p> <p>Jörg-Micha Jahn: <i>Characterizing IMF at L1</i></p> <p>Alexander Kozlovsky: <i>Displacement of the nightside low-latitude auroral oval boundary caused by a solar wind pressure increase</i></p> <p>Mai Mai Lam: <i>Radiation belt electron flux variability during CME-driven and CIR-driven geomagnetic storms</i></p>
10:30-11:00	Break
11:00-12:30	<p>1. Influence of the solar wind on the inner magnetosphere (Dan Baker, Tuija Pulkkinen)</p> <p><i>Brief presentations:</i></p> <p>Yoshizumi Miyoshi: <i>Solar wind - radiation belt interactions</i></p> <p>Vahe Perroomian: <i>The role of sudden storm commencement on ion injection into the inner magnetosphere</i></p> <p>Tuija Pulkkinen: <i>Solar wind speed driving the magnetospheric dynamics</i></p> <p>Yihua Zheng: <i>Impact of an interplanetary shock to the inner magnetosphere</i></p>
12:30-14:00	Lunch
14:00-15:30	<p>3. Couplings between plasma populations and magnetic field (Sorin Zaharia, Colby Lemon)</p> <p><i>Solicited presentations:</i></p> <p>Yusuke Ebihara: <i>Magnetic coupling of the ring current and the radiation belt</i></p> <p>Stanislav Sazykin: <i>Self-consistent modeling of inner magnetospheric dynamics</i></p> <p><i>Brief presentations:</i></p> <p>Colby Lemon: <i>An Overview of Plasma/Magnetic Field Coupling Research at The Aerospace Corporation and Rice University</i></p> <p>Sorin Zaharia: <i>Plasma/Magnetic Field Coupling - Introduction</i></p> <p>Yihua Zheng: <i>Viewing perspective vs ENA intensity</i></p>
15:30-16:00	Break
16:00-17:00	Splinter session (DS1, DS3)
17:00-19:00	Posters session

	<p><u>Session: 1. Influence of the solar wind on the inner magnetosphere.</u></p> <p>Olga Chugunova: <i>Coupling between the Magnetosheath Turbulence and Magnetospheric Pc3 Pulsations</i></p> <p>Mai Mai Lam: <i>Radiation belt electron flux variability during CME-driven and CIR-driven geomagnetic storms</i></p> <p>Leonid Lazutin: <i>Energetic electron and solar proton dynamics during strong magnetic storms and magnetosphere structure.</i></p> <p>Vahe Peromian: <i>A comparison of sudden storm commencement and storm-time substorm injections</i></p>
19:00	Ice-breaker reception

Tuesday 29 July	
9:00-10:30	<p>9. Combining models and observations in the inner magnetosphere (Mary Hudson, Scot Elkington)</p> <p><i>Solicited presentations:</i> Daniel Boscher: <i>Contribution of data assimilation to the radiation belt dynamics knowledge</i> Chia-Lin Huang: <i>Quantifying ULF wave properties in the inner magnetosphere and their effects on radiation belt electrons</i> Sasha Ukhorskiy: <i>Mechanisms and Properties of Radial Transport in the Outer Radiation Belt</i></p> <p><i>Brief presentations:</i> Scot Elkington: <i>Energetic particle dynamics during January 1995 geomagnetic storm</i> Shri Kanekal: <i>Testing Models of Energization and Loss of Relativistic</i> Shri Kanekal: <i>Electrons: In-Situ Observations and Particle Transport</i> Mike Liemohn: <i>To be determined</i> Yukitoshi Nishimura: <i>Response of the convection electric field on IMF southward tuning</i> Aaron Ridley: <i>To be determined</i></p>
10:30-11:00	Break
11:00-12:30	<p>10. Innovative methods and tools for data analysis (Joseph Koller, Yoshi Miyoshi)</p> <p><i>Solicited presentations:</i> Dmitri Kondrashov: <i>Crossing Disciplinary Boundaries: Novel Techniques for Data Analysis in Space Physics in Space Physics.</i></p> <p><i>Brief presentations:</i> Michael Balikhin: <i>Identification of nonlinear processes in space physics</i> Pontus Brandt: <i>Global ENA Inversions: What is possible and what is not possible?</i> Irina Knyazeva: <i>Markovian prediction of geomagnetic indexes using methods of fractal geometry</i> Josef Koller: <i>Ensemble Kalman Filter with Radiation Belt Models</i> Binbin Ni: <i>Data Assimilation With CRRES and AKEBONO Observations</i> Natalia Romanova: <i>Partial least squares (PLS) regression method as applied to prediction studies in the space weather</i></p>
12:30-14:00	Lunch

13:30-14:00	7. Auroral and subauroral phenomena (Kirsti Kauristie);
	<i>Brief presentations:</i>
	Jaejin Lee: <i>Relativistic electron acceleration observed in the aurora region</i> Masatoshi Yamauchi: <i>heavy ion signatures in the evening inner magnetosphere together with auroral bulge</i> 8. Influence of the inner magnetosphere on upper atmosphere and a potential influence on climate (Richard Horne) <i>Solicited presentations:</i> Richard Horne: <i>Solar influence on particle precipitation and atmospheric effects</i>
15:00-16:00	Splinter session (DS9, DS10)
16:00-16:30	Break
16:30	Excursion, bus leaves

Wednesday 30 July	
9:00-10:30	<p>2. Couplings among plasmasphere, ring current and radiation belts (Yuri Shprits, Jerry Goldstein)</p> <p><i>Brief presentations:</i> Iannis Dandouras: <i>Detection of plasmaspheric wind by the Cluster spacecraft</i> Joseph Fennell: <i>Energetic electron loss rates in different regions of inner magnetosphere</i> Jerry Goldstein: <i>TBA</i></p>
10:30-11:00	Break
11:00-12:30	<p>2. Couplings among plasmasphere, ring current and radiation belts (Yuri Shprits, Jerry Goldstein)</p> <p><i>Solicited presentations:</i> Yuri Shprits: <i>Simulations with VERB code</i></p> <p><i>Brief presentations:</i> Brian Larsen: <i>Linking Radiation Belts, Ring Current, and Plasmasphere During Geomagnetic Storms</i> Leonid Lazutin: <i>Solar proton radiation belts and magnetic storms</i></p>
12:30-14:00	Lunch
14:00-15:30	<p>5. Plasma sheet injections (Mike Liemohn, Natalia Ganushkina)</p> <p><i>Solicited presentations:</i> Charles Goodrich: <i>The THEMIS mission</i></p> <p><i>Brief presentations:</i> Jörg-Micha Jahn: <i>Correlating plasma sheet and ring current.</i> Vladimir Kalegaev: <i>Geomagnetic indices and partial ring current effect.</i></p>
15:30-16:00	Break
16:00-17:00	Splinter session (DS2, DS5)
17:00-19:00	<p>Posters session</p> <p><i>Session: 2. Coupling among plasmasphere, ring current and radiation.</i> Raluca Ilie: <i>Preliminary results of coupling HEDI into SWMF</i></p> <p><i>Session: 7. Auroral and subauroral phenomena.</i></p>

Iurii Cherniak: *Midlatitude coherent backscatter observations on kharkov incoherent scatter radar*

Jaemin Lee: *Observation of FUV aurora and energetic electrons with Korean STSAT-1*

Session: 9. Combining models and observations in the inner magnetosphere.

Alex Degeling: *Resonant Drift Echoes in Electron PSD Produced by Dayside Pc5 Waves following a Geomagnetic Storm*

Yukitoshi Nishimura: *Response of the convection electric field on IMF southward turning*

Dmitriy Subbotin: *3D simulations of the dynamics of the relativistic electrons in the outer radiation belt*

Yihua Zheng: *Viewing perspective vs ENA intensity*

Session: 10. Innovative methods and tools for data analysis.

Iurii Cherniak: *The double-frequency measuring channel for ionosphere parameters determination by a method of incoherent scatter*

Dennis Gallagher: *Deriving Thermal Plasma Flow from IMAGE EUV*

Irina Knyazeva: *Markovian prediction of geomagnetic indexes using methods of fractal geometry*

Thursday 31 July	
9:00-10:30	<p>4. Couplings between Plasma populations and waves (Sasha Ukhorskiy, Nigel Meredith)</p> <p><u>Solicited presentations:</u> Mary Hudson: <i>Radiation Belt Electron Transport and Energization</i></p> <p><u>Brief presentations:</u> Richard Horne: <i>Electron acceleration by fast magnetosonic waves</i> Yoshizumi Miyoshi: <i>Effect of whistler mode waves for large flux enhancement of the outer belt</i> Alex Degeling: <i>Modeling the effects of narrow band Pc-5 ULF waves on radiation belt electron dynamics.</i> Sandrine Grimald: <i>Periodic narrowband continuum oscillations linked with Pc-5 oscillations</i></p>
10:30-11:00	Break
11:00-12:30	<p>4. Couplings between Plasma populations and waves (Sasha Ukhorskiy, Nigel Meredith)</p> <p><u>Solicited presentations:</u> Yoshizumi Miyoshi: <i>ERG (Energizing and Radiation in Geospace) mission</i></p> <p><u>Brief presentations:</u> Piotr Koperski: <i>Magnetic storm- related observations of PC1 at mid latitudes.</i> James Roeder: <i>SCATHA Observations of Waves, Energetic and Plasma Electrons</i> Jay Albert: <i>Multidimensional Diffusion in the Radiation Belts</i></p>
12:30-14:00	Lunch
14:00-15:30	<p>6. Inner magnetosphere-ionosphere coupling (Mark Moldwin)</p> <p><u>Solicited presentations:</u> Mark Moldwin: <i>MI coupling overview</i></p> <p><u>Brief presentations:</u> Pontus Brandt: <i>Ring Current Plasma Pressure and its Role in the Inner Magnetosphere</i> Maxim Klimenko: <i>Numerical modeling of the ionospheric effects of substorms</i></p>
15:30-16:00	Break
16:00-17:00	Splinter session (DS4, DS6)
17:00-19:00	Posters session

	<p><u>Session: 4. Coupling between plasma populations and waves.</u></p> <p>Mark Engebretson: <i>Ground-satellite observations of Pc 1-2 waves during 2005 and 2006</i></p> <p>Sandrine Grimald: <i>Periodic narrowband continuum oscillations linked with Pc-5 oscillations</i></p> <p>Mohammad Javad Kalae: <i>A computer simulation study on the mode conversion process with different wave normal angle and different length scale of density gradient.</i></p> <p>Piotr Koperski: <i>Magnetic storm- related observations of PC1 at mid latitudes.</i></p> <p>Natalia Romanova: <i>ULF Wave Power Index for Space Weather Applications</i></p> <p><u>Session: 5. Plasma sheet injections.</u></p> <p>Jaejin Lee: <i>Relativistic electron acceleration observed in the aurora region</i></p>
19:00	Conference dinner

	Friday 1 August
9:00-10:30	<p>6. Inner magnetosphere-ionosphere coupling (Mark Moldwin)</p> <p><i>Brief presentations:</i></p> <p>Mark Moldwin: <i>GPS TEC Tomography and EUV Imaging</i></p> <p>Liudmila Tverskaya: <i>Diagnosing the magnetospheric plasma domains using relativistic electron data</i></p> <p>Masatoshi Yamauchi: <i>Sources and transport of < 10 keV (eastward drifting) ring current ions: substorm fossil?</i></p>
10:30-11:00	Break
11:00-12:30	Reports of splinter sessions by discussion leaders
12:30-14:00	Lunch
14:00-15:30	Buisness meeting