

Monday, July 22		
08:30-09:00	Registration & Excursion Booking	
09:00-09:20	Welcome Speech	Xiaolong Dong; Yoshizumi Miyoshi
Session 1: Cold Plasma Dynamics (chaired by Naomi Maruyama)		
09:20-09:40	Introduction	Naomi Maruyama
09:40-10:00	Overview of Cold Plasma Dynamics	Naomi Maruyama
10:00-10:20	Dynamics of the Cold Plasmasphere	Fei He
10:20-10:40	Oxygen Torus & Warm Plasma Cloak	Masahito Nose
10:40-10:55	Coffee Break	
10:55-11:15	Oxygen Torus in the Inner Magnetosphere Inferred from Large-amplitude Electromagnetic Ion	Zhenpeng Su
11:15-11:35	Study of Plasmaspheric Dynamics Using a Neural Network	Xiangning Chu
11:35-11:55	Cold Ion Outflow, the Sun & the Earth's Magnetic Field	Elena Kronberg (<i>online</i>)
11:55-12:15	Open Discussion	
12:15-14:00	Lunch Break	
Session 2: Warm/Hot Plasma Dynamics (chaired by Ioannis A. Daglis)		
14:00-14:20	Open Issues in Ring Currents Dynamics	Ioannis A. Daglis
14:20-14:40	Energy & Mass-dependent Dynamics of Energetic Ions	Kunihiro Keika
14:40-15:00	Ring Current Dynamics Based on Van Allen Probe Observations	Chao Yue
15:00-15:20	Observations of Ion Population in the Ring Current	Jing Liao
15:20-15:30	Open Discussion	
15:30-16:00	Coffee Break & Group Photo at First Floor of Building A	

Session 3: Radiation Belt Dynamics (chaired by Wen Li)		
16:00-16:05	Introduction	Wen Li
16:05-16:20	Observations of Local Acceleration of Ultra-relativistic Electrons in Outer Radiation Belt	Binbin Ni
16:20-16:35	Understanding & Modeling the Mysterious Dropout of Radiation Belt Electrons	Weichao Tu
16:35-16:50	Energetic Electron Precipitation: Review of ELFIN Results	Xiaojia Zhang
16:50-17:05	Modeling Electron Losses Due to Nonlinear Wave-particle Interactions	Lunjin Chen
17:05-17:20	Solar Wind Structure Dependence of Radiation Belts	Yoshizumi Miyoshi
17:20-17:35	Comparative Radiation Belt Electron Dynamics at Earth & Jupiter	Wen Li
17:35-18:00	Open Discussion	
Tuesday, July 23		
Session 4: Current System (chaired by Yusuke Ebihara)		
09:00-09:20	Introduction	Yusuke Ebihara
09:20-09:40	A New Approach for Understanding the Generation Mechanism of Field-aligned Currents	Yusuke Ebihara
09:40-10:00	Outstanding Questions in the Birkeland Current System	John Coxon
10:00-10:20	Mercury's Eastward Current & Field-aligned Currents	Zhen Shi
10:20-10:40	Current System in the Martian Ionosphere	Jiawei Gao
10:40-10:50	Open Discussion	
10:50-11:20	Coffee Break	

Session 5: Generation & Propagation of Various Magnetospheric Waves (chaired by Kanako Seki)		
11:20-11:30	Introduction	Kanako Seki
11:30-11:55	Nonlinear Drift Bounce Resonance Between Charged Particles & ULF waves	Li Li
11:55-12:20	Excitation of ULF Waves by Ring Current Ions in the Inner Magnetosphere Based on the Magnetosphere-ionosphere Coupled Model	Tomotsugu Yamakawa
12:20-12:35	Waves Associated with Foreshock & Reconnection	Shan Wang
12:35-14:00	Lunch Break	
14:00-14:25	Multipoint Measurement of Fine-Structured EMIC Waves by Arase, Van Allen Probe A & Ground Stations	Shoya Matsuda
14:25-14:50	Loss of Relativistic Radiation Belt Electrons by Broadband Kinetic Alfvén Waves	Krushna Chandra Barik
14:50-15:05	The Effect of Plasmaspheric Plume on the Whistler-mode Hiss Waves	Zhiyong Wu
15:05-15:30	The Generation & Propagation of Chorus Waves: Observations & Simulations	Xinliang Gao
15:30-16:00	Coffee Break	
16:00-16:25	Simultaneous EMIC Wave-ion-electron Resonances: MMS Observations	Jinghuan Li
16:25-16:40	Global Distribution of Banded Plasmaspheric Hiss & its Origin	Binbin Ni
16:40-16:50	Radial Transport of Relativistic Electrons through Interaction with the ULF Waves in the Earth's Inner Magnetosphere	Kanako Seki
16:50-17:00	Open Discussion	
18:00	Social Dinner at Second Floor Park Plaza Hotel	
Wednesday, July 24		

08:00-14:00	Free Time	
Session 6: Cross-Regional Coupling (chaired by Yukitoshi Nishimura)		
14:00-14:20	Overview of Cross-Regional Coupling Processes	Yukitoshi Nishimura
14:20-14:40	Magnetosphere-Ionosphere Energy Exchange: the “Global” & “Not Global” Scales	Daniel Billett
14:40-15:00	Kinetics of Magnetotail & Plasma Injections	Anton Artemev
15:00-15:20	Particle Precipitation & Auroras: Ground Observations, Transport Modeling & Pending Questions	Jun Liang
15:20-15:40	Recent Advances in the Research of Polar Cap Auroras	Qinghe Zhang
15:40-16:10	Coffee Break	
16:10-16:30	Solar Wind-magnetosphere-ionosphere Interaction by Upstream Transients	Boyi Wang
16:30-16:50	Improving our Understanding of the Ionosphere by Using Swarm Mission as a Constellation	Chao Xiong
16:50-17:10	The Flapping Motion of Terrestrial-like Magnetotail Current Sheets	Zhaojin Rong
17:10-17:30	Temperature Variations in the Mesosphere & Lower Thermosphere During Geomagnetic Storms with Disparate Durations at High Latitudes	Jianyong Lu
17:30-17:40	Open Discussion	
Thursday, July 25		
Special Session: Solar Physics		
09:00-09:20	Pre-eruptive Magnetic Configurations of CMEs	Pengfei Chen
09:20-09:40	A New Grand Solar Minimum Around 2050?	Limei Yan
Session 7: Cross-energy/Cross-Scale Couplings (chaired by Qianli Ma)		

09:40-09:50	Introductin	Qianli Ma
09:50-10:10	Cross-energy Coupling of Particle Distributions via Resonant Interaction with Waves in the Magnetosphere	Qianli Ma
10:10-10:30	Cross Energy Coupling Between Magnetosonic Waves & Electromagnetic Ion Cyclotron Waves	Shangchun Teng
10:30-10:50	Ring Current Particle Precipitation & Effects on the Ionosphere	Yiqun Yu
10:50-11:20	Coffee Break	
11:20-11:40	Cross-energy Interactions in the Inner Magnetosphere & their Impact on the Magnetosphere-ionosphere System	Cristian Ferradas
11:40-12:00	Simultaneous Cross-Energy Ion Response & Wave Generation After the Impact of an Interplanetary Shock	Chao Yue
12:00-12:20	Simulation of Geomagnetic Effects Based on a Global MHD Model of Earth's Magnetosphere	Xiaocheng Guo
12:20-12:40	Summary & Open Discussion	
12:40-14:00	Lunch Break	
Session 8: Storm-substorm Relationship (chaired by Qiugang Zong)		
14:00-14:20	Introduction	Qiugang Zong
14:20-14:40	Storm Time Ring Current Dynamics	Chao Yue
14:40-15:00	The Large-scale Field-aligned Currents at the High-latitude Energetic Electron Boundaries	Jie Ren
15:00-15:20	The Effects of Substorm Injection on Hiss Waves	Zhaoguo He
15:20-15:40	Discrete Auroras on the Nightside & their Magnetospheric Source	Wenrui Wang
15:40-16:00	Convection & Substorms in the Solar-wind-geospace Coupling: Multiple-point Observations from Interplanetary Space to the Ground	Lei Dai
16:00-16:10	Open Discussion	

16:10-16:40	Coffee Break	
Wrap-up Session		
16:40-17:10	Publication Plan/Assignment for Lead Author	
17:10-18:10	Splinter Meeting	
Friday, July 26		
09:00-10:00	Splinter Meeting	
10:00-10:30	Coffee Break	
10:30-10:40	Book Plan Overview	Yoshizumi Miyoshi
10:40-11:20	Report of Each Session & Chapter Plan	Naomi Maruyama; Ioannis A. Dagleis; Wen Li; Kanao Seki; Yukitoshi Nishimura; Qianli Ma; Qiugang Zong
11:20-11:40	Open Discussion	
11:40-12:00	Schedule for Publication & Concluding Remarks	Yoshizumi Miyoshi
12:00	Lunch Break & End of Workshop	