

H21 年度磁気圏電離圏シンポジウムプログラム
英語名 : “ERG, SCOPE and Beyond” 2-5 Nov., 2009
at JAXA, ISAS (Sagamihara Campus)

講演会 : 11/2~4 A 棟 2 階大会議場
11/5 新 A 棟 2 階 A 会議室
ポスター発表 : 11/2~4 新 A 棟 2 階 A 会議室

Oral presentation: 30 min each unless otherwise specified

Poster: set-up 1st day / Poster removal 3rd day

***DAY1 (2 Nov.)

Conference Room

1030-1200 ORAL

Sorriso-Valvo (LICRYL - INFM/CNR)

The inertial range of turbulence in fast solar wind: the role of the magnetic field

Kucharek (Univ. New Hampshire)

The effect of heavy ions on the properties of the Earth's bow shock

Shinohara (ISAS/JAXA)

Electron acceleration in 3-D shock dynamics

1200-1630 POSTER

1630-1800 ORAL

Retino (Austrian Academy of Sciences)

Cross-scale aspects of reconnection in the terrestrial magnetotail

Lavraud (CESR/CNRS)

Recent results on solar wind plasma entry processes at the magnetopause

Nariyuki (Kochi National College of Technology)

Cross-scale coupling in solar wind Alfvénic turbulence

***DAY2 (3 Nov., National holiday in JP)

0930-1230 Mission talks

- ERG/RBSP/ORBITALS/THEMIS

Miyoshi (STEL)	ERG (10 min)
Li (Univ. Colorado)	RBSP (15 min)
Mann (Univ. Alberta)	ORBITALS (15 min)
McFadden (Univ. Calif Berkeley)	THEMIS (15 min)

- SCOPE-J+C/Cross-Scale/US interest

Saito (ISAS/JAXA)	SCOPE-J (10 min)
Liu (CSA)	SCOPE-C (15 min)
Sorriso-Valvo (LICRYL - INFM/CNR)	Cross-Scale (15 min)
Bale (Univ. Calif Berkeley)/Kistler (Univ. New Hampshire)	US interest (15 min)

- EJSM

Blanc (Los Alamos National Lab.)	EJSM (15 min)
Takashima (ISAS/JAXA)	JMO system study (10 min)
Cooper (NASA, GSFC)	Composition Measurement Objectives And Approaches (15 min)
Kasaba (Tohoku Univ.)	JMO Forum (10 min)

Free afternoon

***DAY3(4 Nov.)

1000-1215 ORAL

Ho (APL) Energetic Particle Observations at Mercury, Heliosphere, and Beyond

Cooper (NASA, GSFC) The New Heliosphere Meets the New Solar System (15 min)

Kasahara (ISAS/JAXA) Measurement techniques of medium-energy particles

Kistler (Univ. New Hampshire)

The impact of O⁺ on Reconnection, and the Implications for Ion Composition Measurements

McFadden (Univ. Calif Berkeley)

Understanding the Limits of Current Particle Instruments and Designing Instruments for the Next Mission

1215-1630 POSTER

Posters need to removed by 1630

1630-1800 ORAL

Katoh (Tohoku Univ.) Rapid energization of radiation belt electrons by nonlinear wave trapping

Reeves (Los Alamos National Lab.)

Paulikas and Blake Revisited: Relativistic Electrons and Solar Wind Drivers

Li (Univ. Colorado) Long term observation of solar wind, inner magnetosphere, and radiation belt electrons

***DAY4(5 Nov.)

Note the change in the conference room: New Conference Room A

1000-1215 ORAL

Matsumoto (STEL) The Kelvin-Helmholtz instability at the magnetopause: A high-resolution global MHD simulation

TKM Nakamura (ISAS/JAXA)
Strong electron acceleration in space plasma turbulence via the vortex-induced reconnection

Bale (Univ. Calif Berkeley)
Diagnosing kinetic turbulence: why we need good electric field measurements in the solar wind

Omura (RISH) Can we observe nonlinear processes of chorus emissions and electron acceleration?

Kojima (RISH) Plasma wave observations in the SCOPE mission (15 min)

1330-1530 ORAL

Nishino (ISAS/JAXA) The lunar plasma environment

Fukazawa (Kyushu Univ.)
Dynamics and configuration of Jovian magnetosphere from simulation and related observations

Tsuchiya (Tohoku Univ.)
Scientific objectives of the EXCEED mission on outer planet's Magnetospheres (15 min)

Misawa (Tohoku Univ.) Variation characteristics of Jupiter's radiation belt viewed from ground-based observations (15 min)

Brandt (APL) ENA Imaging of the Outer Planets

Poster

No.	Name	Affiliation	Title
1	Ken Tsubouchi	NICT	Magnetic hole generation as a consequence of Alfvén wave compression in interplanetary space
2	Hiroshi Hasegawa	ISAS/JAXA	Magnetopause boundary layer in a midsummer afternoon
3	Naoko Shimomura	ISAS/JAXA	A study of the large-scale development process of Kelvin-Helmholtz vortices
4	Tomohiko Izutsu	ISAS/JAXA	Role of diffusion in transport of cold-dense plasma
5	Mariko Hirai	Univ. of Tokyo	What determines the efficiency of ion acceleration in magnetic reconnection in the Earth's magnetotail?
6	Toru Shimizu	Ehime Univ.	Three-dimensional structure of spontaneous fast reconnection in geo-magnetotail.
7	Keizo Fujimoto	RIKEN	Dissipation mechanism in 3D reconnection
8	Kentaro G. Tanaka	ISAS/JAXA	Electron acceleration at anti-X-lines during coalescence of magnetic islands
9	Jun Adachi	ISAS/JAXA	Time evolution of the magnetic island using two-fluid simulations
10	Taku Takada	ISAS/JAXA	Fast flow pattern associated with the dipolarization region: THEMIS observation
11	Yukinaga Miyashita	STEL	THEMIS observations of the dense plasma sheet before and during storm main phase
12	Kazuki Ogasawara	Tohoku Univ.	Relationship of magnetospheric and ionospheric flows during substorms obtained by THEMIS/GBO
13	Rei Kurita	Tohoku Univ.	Access of near-Earth electron plasma sheet into the inner magnetosphere seen by THEMIS
14	Chiemi Matsumura	STEL	Loss of the outer belt electrons during non-magnetic storms
15	Shinji Saito	STEL	GEMSIS-RB: Loss process of relativistic electrons with pitch angle diffusion in outer radiation belt – Test particle
16	Mitsuru Hikishima	RISH	Generation of coherent whistler-mode chorus and the nonlinear scattering of resonant electrons
17	Kota Uemura	ISAS/JAXA	Ion scattering at the lunar surface
18	Masao Nakamura	Osaka Pref. Univ.	3D hybrid code for mini-magnetosphere simulation
19	Masaki N. Nishino	ISAS/JAXA	Response of the magnetosphere to the low Alfvén Mach number solar wind
20	Chihiro Tao	Tohoku Univ.	Numerical modeling of Jovian thermosphere and ionosphere
21	Kazuo Yoshioka	Univ. of Tokyo	EUV spectroscopic observation of Jupiter's inner magnetosphere from the Earth-orbiting
22	Yasumasa Kasaba	Tohoku Univ.	International Infrastructure for Planetary Sciences: Universal Planetary Database Development Project ~ The International Planetary Data Alliance (IPDA) ~ Y. Kasaba, M. T. Capria, D. Crichton, J. Zender, R. Beebe, and the IPDA
23	Kazuo Shiokawa	STEL	Ground Network Observations Associated With the ERG Project

24	Kanako Seki	STEL	Current status of the ERG Science Center and ERG theory/ modeling/simulation activities
25	Kanako Seki	STEL	GEMSIS-RC: A self-consistent simulation of particle-field coupling in the inner magnetosphere and O ⁺ supply to the ring current - Ring current studies in the GEMSIS project -
26	Masafumi Hirahara	Univ. of Tokyo	Plasma/Particle Experiment for the Japanese Geospace Exploration Mission: ERG-PPE
27	Yasumasa Kasaba	Tohoku Univ.	Development of stiff and extendible electromagnetic sensors for space missions
28	Yoshiya Kasahara	Knazawa Univ.	Development of a communication and data processing simulator for multi satellite mission (SCOPE)
29	Kyosuke Iguchi	ISAS/JAXA	Development of delta-sigma DAC for the digital fluxgate magnetometer
30	Kazushi Asamura	ISAS/JAXA	Plasma particle instruments onboard SCOPE
31	Yuu Tominaga	ISAS/JAXA	Development of an Electron Energy Spectrometer onboard the SCOPE spacecraft
32	Kana Nishimura	ISAS/JAXA	Performance of SSSDs in the high energy ion detector (HEP-ion) for BepiColombo/MMO mission under high temperature environment
33	Tsutomu Nagatsuma	NICT	Toward construction of forecasting scheme for radiation belt electron flux variation due to geomagnetic disturbances
34	Takeshi Murata	NICT	TBD